Airwell

Just feel well

Export Catalog 2020/2021

French brand

Airwell

AIR CONDITIONING & HEATING

Airwell makes life easier with dedicated services

Professionnals

INTERNET WEBSITE

Order easier online
www.airwell-pro.com

TECHNICAL DOCUMENTATION

Find here all the documentation you need
http://lh.airwell-res.com/
e-mail **presales@airwell-res.com**

TECHNICAL SUPPORT AND PROJECTS

tel **+33 (0)1 76 21 82 82**

TRAININGS

www.airwell-academy.fr
e-mail **airwell-academy@airwell-res.com**

AFTER-SALES & QUALITY SERVICE

tel **+33 (0)1 76 21 82 95**
From Monday to Friday, from 9 am to 12:30 pm and from 2 to 5pm
Parts orders: sp@airwell-res.com
Technical support: sav@airwell-res.com

Consumers

INTERNET WEBSITE

www.airwell-res.com

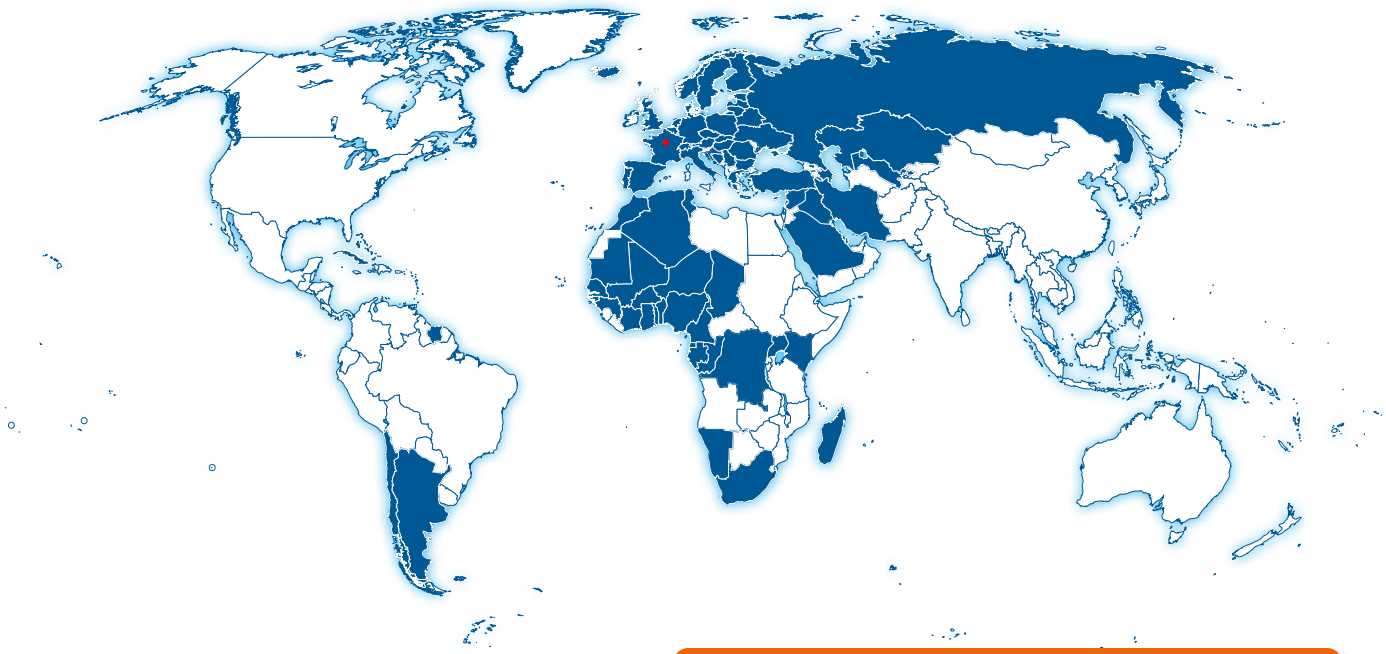
SELECTION ASSISTANT

3D designer:
Simulate in 3D your air conditioning from home
White paper

Airwell
Just feel well

The expertise of a french brand

An international sales network



Find our partners on www.airwell-pro.com

HEADQUARTERS

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78180 Montigny-le-Bretonneux - FRANCE

GENERAL CONTACT

tel **+33 (0)1 76 21 82 00**
e-mail **contact@airwell-res.com**

OUR PARTNERS

Uniclima

Blygold®

CORRESPONDING MEMBER EUROVENT EUROPEAN INDUSTRY ASSOCIATION

OUR CERTIFICATIONS

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

ISO 9001 BUREAU VERITAS Certification

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History

Your french expert
FOR MORE THAN 70 YEARS

2020 — Introduction of the Smart home and ENR offering

2019 — Launch of the Airwell Connect project

2018 — Development in Middle East and Latin America

70 years and in the era of 3.0, Airwell is “BIM Ready” — **2017**

2015 — Start of the ENR project

Inauguration of training centers — **2014**

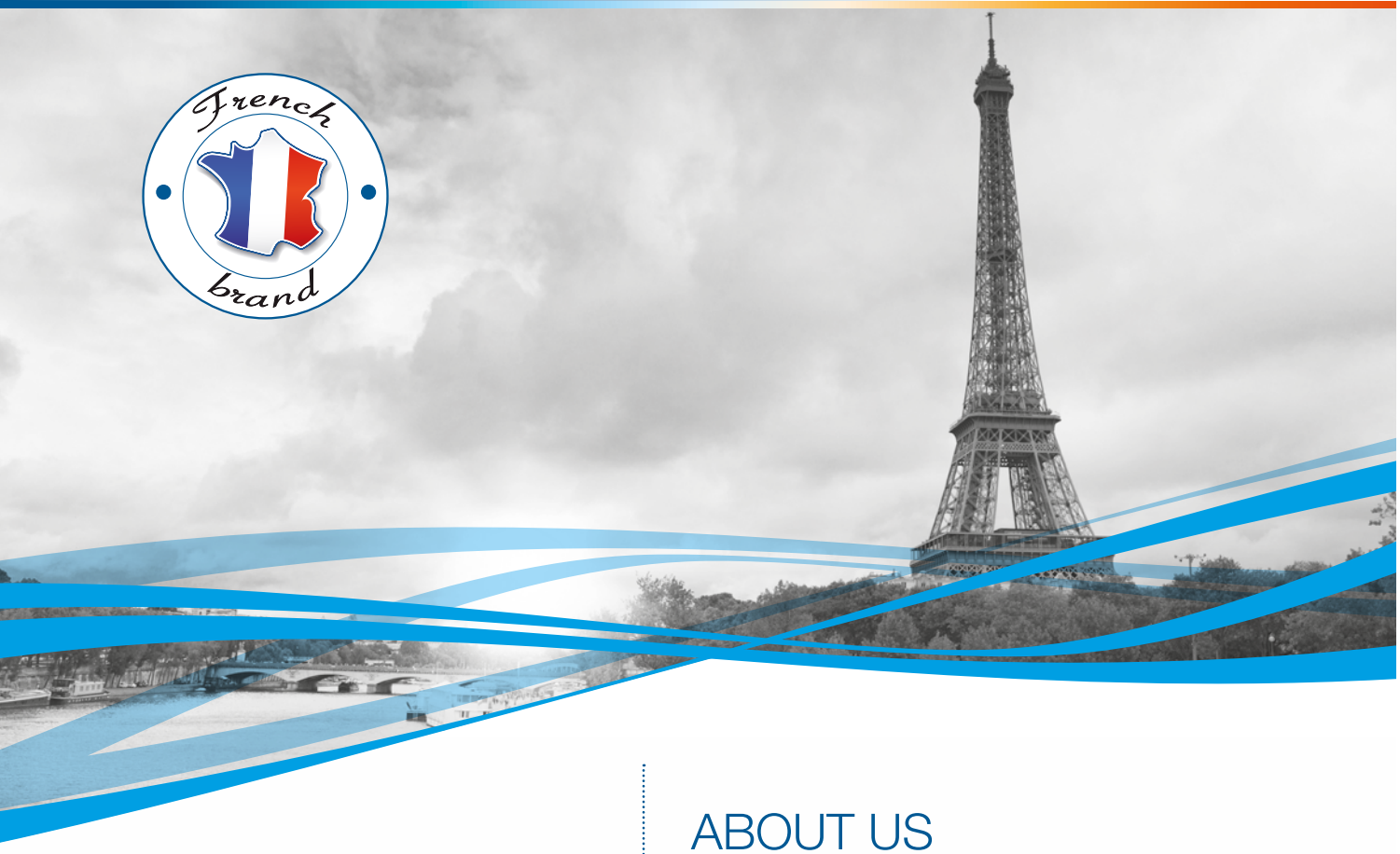
2013 — Launch of “Zero Default objective”

Airwell, first maker in Europe to produce high wall units — **1982**

1970 — Development of “Split” units

Mass production of the first window unit — **1950**

1947 — Start of the Airwell history



OUR PRODUCTS

- Residential air conditioning
- Tertiary air conditioning
- Industrial air conditioning
- Residential heating
- Renewable energies

OUR CERTIFICATIONS

- AIRWELL participates in the ECP programme for EC1.
  Check ongoing validity of certificate:
  www.eurovent-certification.com

- The company meets **ISO standard 9001**

IN FIGURES

- 1st manufacturer to produce the Window solution
- Over 70 years of experience
- Present in 80 countries
- Over 100,000 part references in stock

ABOUT US

Since 1947, **French brand** Airwell, the heating and air conditioning expert, has built its reputation as a leading manufacturer of air conditioning systems for residential and tertiary applications, thanks to its wide range of products. With a firm focus on **innovation**, the company is constantly reinventing itself to ensure it stays ahead of the latest market trends, providing solutions with an ever-increasing level of **performance** to tackle the most challenging issues. Airwell conducts its Research & Development in line with a **policy of environmental responsibility** to meet the needs of our planet and the expectations of our customers.

OUR COMMITMENTS

SERVICE IS OUR PRIORITY

- Designing unique solutions
- Our watchword: partnership
- Help you complete your projects
- Local and remote technical support
- Flexibility: online ordering

FRENCH QUALITY AND EXPERTISE

- A historic French brand
- Innovative, competitive solutions
- Large range of products able to adapt to every need.

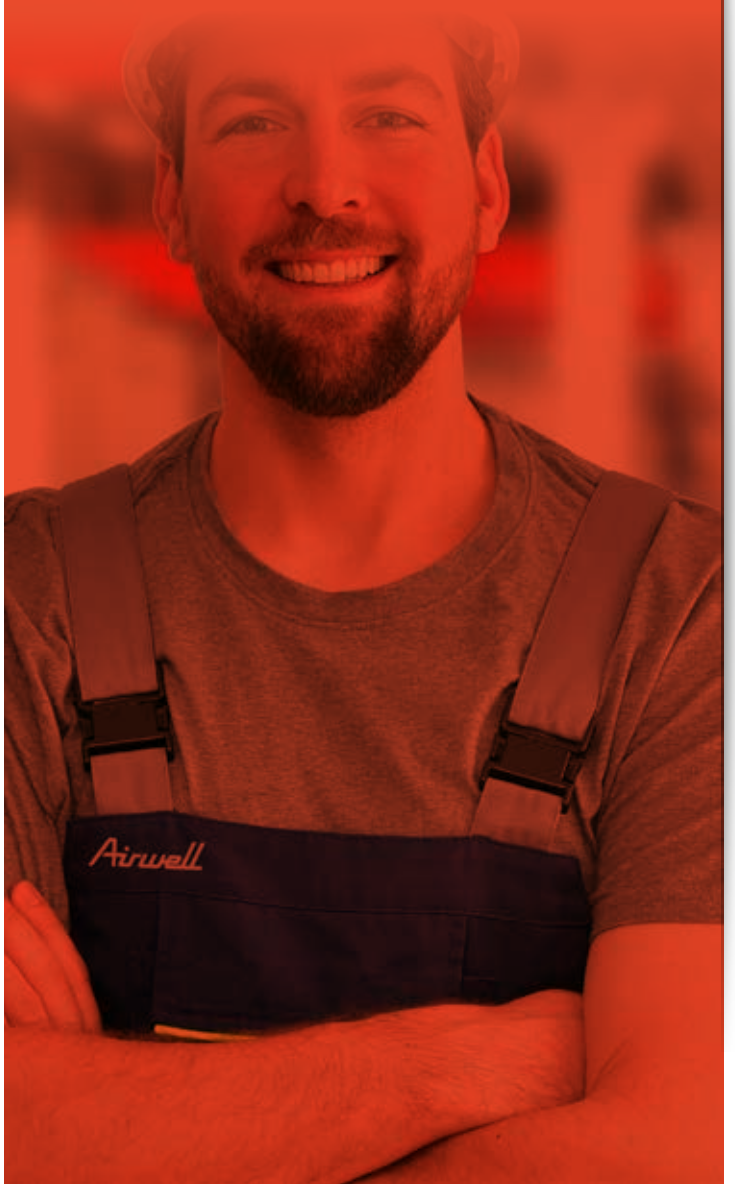
Airwell

your expert...

TRADE

Airwell makes every effort to make life easier for its customers.

From the selection of the solution to the maintenance, through training, Airwell accompanies you in all stages of your air conditioning and heating project.



AIRWELL QUALITY

Airwell products are known for their reliability and longevity. Excellent quality and a particularly large range of products offer customers a clear advantage.

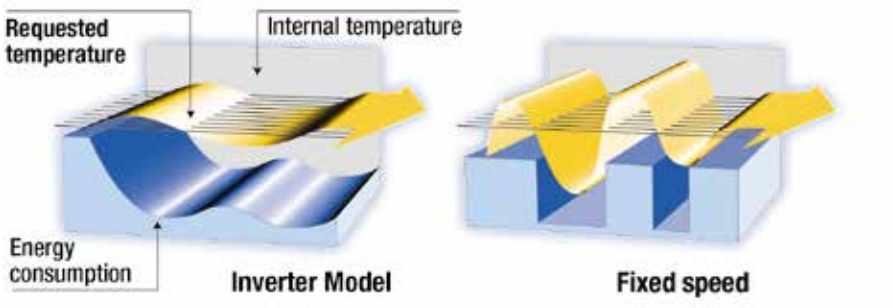
With a global presence, Airwell strives to apply its quality standards to all of its production sites. Respect for the environment plays a key role in our companies.

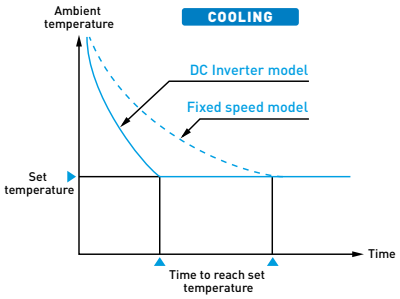
For Airwell, acting in a way that respects the environment is at the heart of company policy. This means developing systems that promote energy savings, manufactured wholly from recyclable materials, and ensuring natural resources are used responsibly.

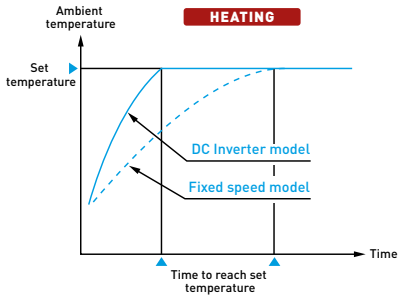
Airwell's management evaluates its compliance with these requirements in annual reports and defines new objectives to ensure that tomorrow's environmental challenges are being met today.

DC INVERTER TECHNOLOGY

The protection of our environment is one of the most important tasks we have. Speaking about air conditioning, Inverter techniques became an important technology for this essential task. Inverter not only save energy but also provides an excellent sound performance and a high flexibility.







HEATING MODE OPERATION DOWN TO -15 °C

The latest DC Inverter technology, combined with the use of R410A "green" fluid, allow for optimal efficiency (class A energy label) and exceptional performance with the capability of operating in heating mode at outdoor temperatures down to -15 °C.

SILENT RUNNING

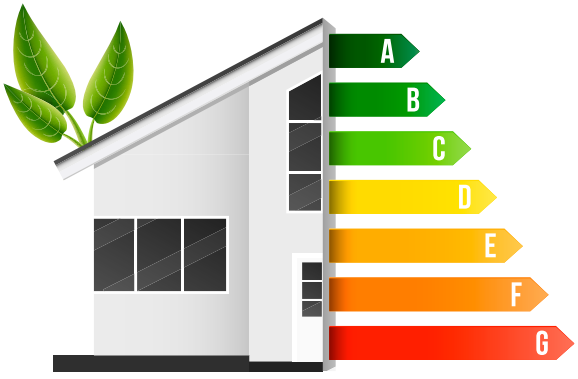
By reducing its speed, the Inverter provides much better sound performances compare to fix speed systems where the compressor is running full speed all time.

QUICK REACH OF SET TEMPERATURE

DC Inverter technology allows soft starting whilst ensuring the setpoint temperature is met more quickly. Once the temperature setpoint is reached the Inverter will reduce and adapt speed needed to obtain capacity needed only.

ENERGY SAVING

Compared with traditional fixed speed systems, DC Inverter technology allows significant energy savings to be made, enabling the return on investment to be reduced by up to 15 months. The secret behind is that Inverter can control and adapt its running speed according to the room temperature requirements. By avoiding compressor start-up and stoppage phases, DC Inverter technology enables the system to run continuously while modulating the compressor output in relation to the room's set temperature point.



Airwell

your expert...

PRODUCTS

With a failure rate of less than 0.04 %, Airwell is committed to providing reliable products.

Thanks to a wide range of products, Airwell brings you particularly flexible, efficient and competitive answers, adapted to the specific characteristics of your markets.

ENERGY EFFICIENCY

Indication of the annual energy consumption. Established using a standard model, this annual consumption is calculated by multiplying the total output by an average of 500 hours per year in cooling mode, at the nominal load.

COOLING CAPACITY

The cooling capacity is defined as the cooling power in kW of a unit running in cooling mode at the nominal load.

HEATING CAPACITY

The heating capacity is defined as the heating power in kW of a unit running in heating mode at the nominal load.

EER OR ENERGY EFFICIENCY RATIO

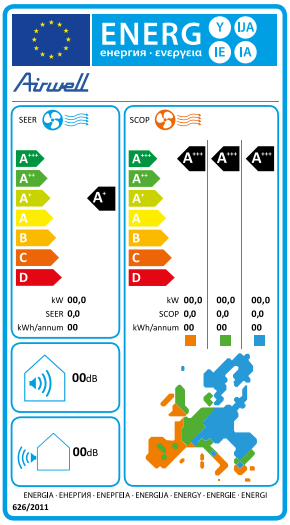
This ratio is the relationship between the cooling capacity and the quantity of electricity required to reach it. In other words, the higher the EER, the more energy efficient the unit.

COP OR COEFFICIENT OF PERFORMANCE

This ratio is the relationship between the heating capacity and the quantity of electricity required to reach it. In other words, the higher the COP, the more energy efficient the unit.

ENERGY LABEL

The energy label is a very well-known initiative for household appliances. Introduced by the European Union, this label is used to classify appliances into several categories based on their energy consumption. Using different types of information (manufacturer, model, heating and cooling capacity, noise level), this label allows users to choose between a number of products.



	SEER (Cooling mode)	SCOP (Heating mode)
A+++	SEER ≥ 8,50	SCOP ≥ 5,10
A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80
E	3,10 ≤ SEER < 3,60	2,20 ≤ SCOP < 2,50
F	2,60 ≤ SEER < 3,10	1,90 ≤ SCOP < 2,20
G	SEER < 2,60	SCOP < 1,90

FOCUS ON R32 REFRIGERANT

At Airwell, our key concerns are technology, innovation, and protection of the environment. Many years of development have enabled us to produce highly eco-friendly products which help protect our planet.

ADVANTAGES OF R32

- A greener refrigerant than R410A, with one third of the environmental impact.
- More energy efficient (increase of 10 %)
- Equipment using R32 needs less gas as efficiency is improved during the heat transmission phase.
- Pure gas, which is easy to recycle.

Airwell

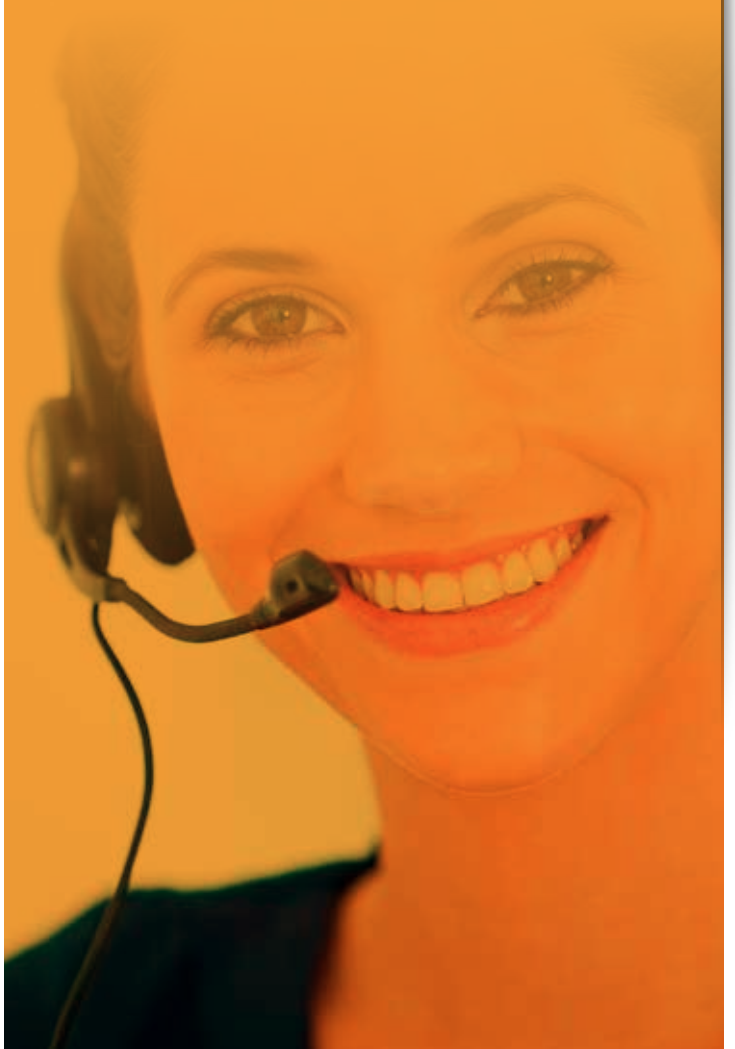
your expert...

CUSTOMERS

The French expert has an international network of partners (distributors, installers...).

Together, you build a lasting relationship: pre-sales advice, product availability, technical sales support...

Partnership is an integral part of Airwell's DNA.



STOCK 7/7 24/24 IN REAL-TIME — online order

DEDICATED TOOLS

INTERNET WEBSITE

Online order:

Airwell offers its referenced customers to order their products online *via* the website:
www.airwell-pro.com

Documentation library:

http://lh.airwell-res.com

BIM

Airwell is "BIM Ready"!

In partnership with Stabiplan, Airwell announces its launch in BIM (Building Information Modeling) and offers its tertiary and commercial air conditioning (VRF) range in BIM format broadcast on the MEPcontent library.

This allows REVIT® users to integrate Airwell content for all their building projects, made in the 3D digital world.

Airwell Academy offers dedicated BIM training, including an introduction to the features of REVIT®, as well as drawings of heating/cooling networks.

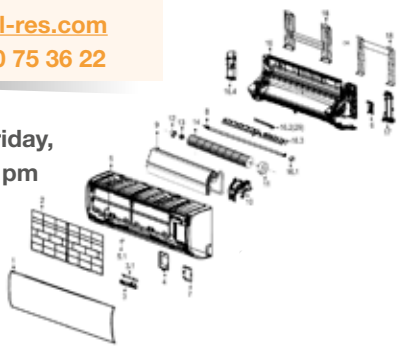
www.mepcontent.com

SPARE PARTS

FOR PRODUCTS UNDER AIWELL SUPPORT

sp@airwell-res.com
+33 (0)9 70 75 36 22

- **From Monday to Friday, from 9 am to 12:30 pm and from 2 to 5 pm**



TRAINING

WHY CHOOSE THE AIRWELL ACADEMY?

AIRWELL offers an effective solution with the Airwell Academy!

- Technical **training** leading to qualifications
- **Training tools:** hire of training rooms and sets of teaching materials
- **Tailored services:** residential and industrial energy audits

AIRWELL guides you through the training of your teams in line with best industry practice and current environmental constraints.

APPROVED TECHNICAL STATIONS

The service centres offer the following:

- a showroom to display the range of Airwell products
- a fully-equipped training centre to provide installers with effective training
- technicians able to work on-site to provide installation and commissioning services for Airwell air conditioning systems

Register for a training programme at: www.airwell-academy.fr

DC Inverter range

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7	30 8	36 10	45 12.5	60 16
HIGH WALL **A competitive solution: efficient and economical**	HDL	R32	16		●	●	●	●				
HIGH WALL **Best seller**	HKD	R410A	18		●	●	●	●				
FLOOR-CEILING **Large air diffusion**	FDM	R410A	20				●	●		●	●	●
CASSETTE **Twin system**	CDM	R410A	22		● 60X60	● 60X60	● 60X60	● 90X90		● 90X90	● 90X90	
DUCTED MEDIUM STATIC PRESSURE **Designed to fit into tight false ceiling**	DDM	R410A	24			●	●	●		●	●	●
DUCTED HIGH STATIC PRESSURE **Designed for large premises**	DDB	R410A	26				●	●		●	●	
MULTISPLIT **Flexibility with a single outdoor unit**	YCZ	R410A	28				●	●	●		●	
ZONE BY ZONE REGULATION **The ideal temperature in each room**	WELLZONE		34					●				

- **Optimum comfort**
  all year long
- **Purified air**
- **Energy savings**

HDL
HIGH WALL

A++

Compatible RT 2012 MODE CHAUD SEUL

PRODUCTS

- RC08A remote control included
- Wide power range from 2.5 to 6 kW
- "I Feel" comfort
- Frost protection mode (8 °C)

FEATURES

TECHNOLOGY:

AIR FILTER

AIR QUALITY / CLEAN:

I FEEL · NIGHT MODE · SUPER QUIET · AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNECTION

CERTIFICATION

AIRWELL participates in the ECP programme for EC1.
Check ongoing validity of certificate:
www.eurovent-certification.com

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

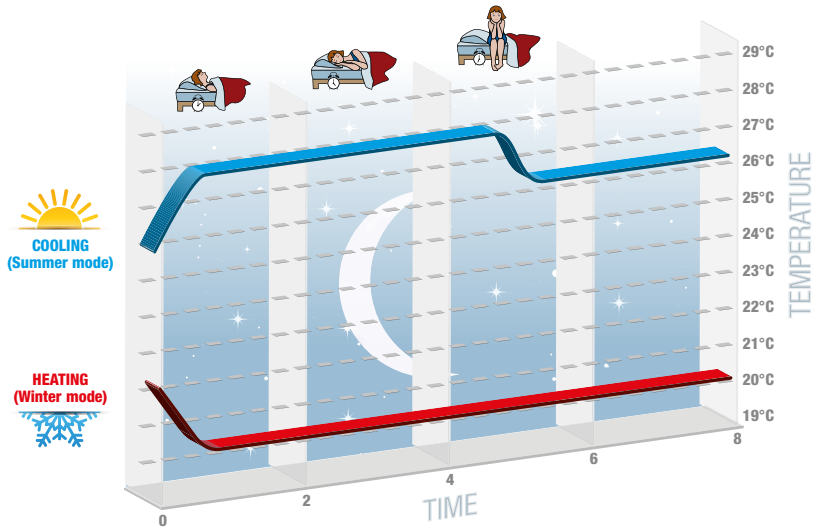
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ RT 2012 compatible (heating mode only)

THE ⊕ «USER»
→ User comfort ("I Feel", WiFi as option)
→ Night mode

THE ⊕ «INSTALLER»
→ The most reliable on the market

THE ⊕ «TECHNOLOGY»
→ DC electric fan

NIGHT MODE: IMPROVED COMFORT AND ENERGY SAVINGS



OPTIONS

Accessory	Part number	Photo	Function
AirNet WiFi Module	7ACEL1762	For sizes 9 to 12	Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.
	7ACEL1763	For sizes 18 and 24	

HDL TECHNICAL DATA

Indoor units		AW-HDL009-N91	AW-HDL012-N91	AW-HDL018-N91	AW-HDL024-N91
Outdoor units		**AW-YHDL009-H91**	**AW-YHDL012-H91**	**AW-YHDL018-H91**	**AW-YHDL024-H91**
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power	**kW**	**2.5**	**3.2**	**4.6**	**6.16**
Pdesignc	**kW**	**2.5**	**3.2**	**4.6**	**6.15**
Rated power input	kW	0.805	0.997	1.43	1.76
SEER/Energy label (average climate)		**6.1/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**
Operating limits (cooling mode)	°C	-15°/46° Dry bulb			
HEATING					
Rated power	**kW**	**2.8**	**3.5**	**5.2**	**6.45**
Pdesignh (average climate)	**kW**	**2.6**	**3.2**	**3.6**	**4.7**
Pdesignh (warmer climate)	**kW**	**2.8**	**3.4**	**3.6**	**4.7**
Rated power input	kW	0.755	0.97	1.4	1.86
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**
Operating limits (heating mode)	°C	-15°/24° Dry bulb			
Power @ -10 °C	kW	2.15	2.69	4	4.96
Power @ -15 °C	kW	1.87	2.33	3.47	4.3
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/32/36/39	22/34/37/42	24/39/45/48	27/40/44/48
Sound power level (VL/LS/MS/HS)	dB(A)	38/44/52/55	38/44/47/55	44/49/54/58	44/50/54/59
Airflow (VL/LS/MS/HS)	m³/h	330/430/490/560	290/410/480/560	520/610/720/850	520/610/720/850
Dehumidification	l/h	0.8	1.4	1.8	1.8
Outline dimensions (WxHxD)	mm	790x275x200	790x275x200	970x300x225	970x300x225
Package dimensions (WxHxD)	mm	866×367x271	866×367x271	1041x383x320	1041x383x320
Net weight/Gross weight	kg	9/11	43778	13.5/16.5	13.5/16.5
Part number		**7SP023100**	**7SP023101**	**7SP023102**	**7SP023103**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	52	52	54	57
Sound power level	dB(A)	61	62	63	67
Airflow	m³/h	1600	2200	2200	3200
Outline dimensions (WxHxD)	mm	776x540x320	848x596x320	842x596x320	955x700x396
Package dimensions (WxHxD)	mm	823x595x358	881x645x363	881x645x363	1029x750x458
Net weight/Gross weight	kg	29.5/32	31/34	34/37	46/50.5
Part number		**7SP062960**	**7SP062961**	**7SP062962**	**7SP062963**
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	1	1	1	1.5
Fuse rating am (D curve)	A	10	10	10	16
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	4X2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	3/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max. length	m	15	20	20	25
Max. height	m	10	10	10	10
Refrigerant/GWP		**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge (5 m)	kg	0.6	0.7	0.9	1.7
Additional charge	g/m	20	20	16	40

COMBINATIONS

Indoor unit	Compatible with outdoor unit
High wall	**Monosplit**
HDL 9 à 18	YHDL
HDL 24	YHDL

R410A

DC Inverter
Cooling & heating

HKD
HIGH WALL

A++

PRODUCTS

- RC08C remote control included
- Discreet digital display
- “I Feel” comfort
- Multisplit YCZ range compatible

FEATURES

TECHNOLOGY:

GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER

AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL

NIGHT MODE

REFRIGERANT LEAKAGE DETECT

PROGRAMMABLE TIMER

AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT

SELF DIAGNOSTIC

LEFT/RIGHT DRAIN CONNECTION

HEATING ONLY MODE

CERTIFICATION

AIRWELL participates in the ECP programme for EC1.
Check ongoing validity of certificate:
www.eurovent-certification.com

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

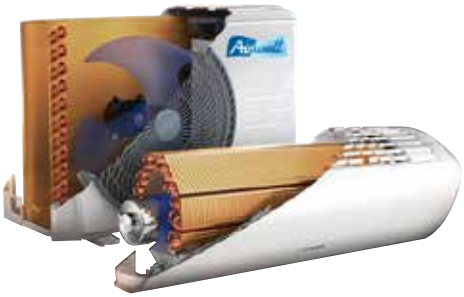
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ High energy class A++ (cooling mode)/A+++ (heating mode)
→ Energy savings with setpoint limits

THE ⊕ «USER»
→ User comfort (“I Feel”, WiFi as option)

THE ⊕ «INSTALLER»
→ Technician mode on remote control

THE ⊕ «TECHNOLOGY»
→ High corrosion resistance with the Golden Fin
→ Refrigerant leak detection

Longer product lifetime: Golden Fin exchanger and anti-corrosion treatment on PCB.



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer On/Off, temperature and swing.
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
AirNet WiFi module	7ACEL1744		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.
Water pump FlowatchDesign	7ACTL0518		Evacuate condensates from indoor units.

HKD TECHNICAL DATA

Indoor unit		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Outdoor unit		**AWAU-YKD009-H11**	**AWAU-YKD012-H11**	**AWAU-YKD018-H11**	**AWAU-YKD024-H11**
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	**kW**	**2.65 (1.0 -3.2)**	**3.54 (1.08-4.1)**	**5.0 (1.8-6.1)**	**6.8 (2.7-7.8)**
Pdesignc	**kW**	**2.65**	**3.54**	**5.0**	**6.8**
Rated power input	kW	0.775	1.096	1.548	2.411
SEER/Energy label		6.1/A++	6.1/A++	6.5/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	**kW**	**2.7 (0.82-3.3)**	**3.2 (0.9-4.2)**	**5.0 (1.4-6.7)**	**7.3 (1.6-8.7)**
Pdesignh (average climate)	**kW**	**2.2**	**2.3**	**4.2**	**5.5**
Pdesignh (warmer climate)	**kW**	**2.8**	**2.9**	**4.4**	**6.3**
Rated power input	kW	0.728	0.863	1.348	2.274
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		5.1/A+++	5.3/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/30° Dry bulb			
Power @ -10 °C	kW	2.70	3.00	4.20	6.40
Power @ -15 °C	kW	2.30	2.50	3.60	5.80
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	23/29/34/38	24/33/37/42	24/32/36/42	32/35/40/44
Sound power level	dB(A)	54	54	57	60
Airflow (LS/MS/HS)	m³/h	270/320/420	370/470/570	540/680/840	640/800/980
Dehumidification	l/h	1.0	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	715x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	780x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	6.8/8.9	7.2/9.6	9.5/12.5	11.9/15.2
Part number		**7SP023130**	**7SP023131**	**7SP023132**	**7SP023133**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	53	55	59
Sound power level	dB(A)	61	61	65	66
Airflow	m³/h	1800	1800	2100	2700
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	900x585x345	900x585x345	920x615x390	965x755x395
Net weight/Gross weight	kg	25.2/27.4	25.5/27.7	37.8/40.5	48.4/51.6
Part number		**7SP062910**	**7SP062911**	**7SP062952**	**7SP062913**
POWER SUPPLY					
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	20
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	0.8	0.8	1.48	1.85
Additional charge	g/m	15	15	15	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
High wall	**Monosplit**	**Multisplit**
HKD 9 to 24	YKD	YCZ

R410A

DC Inverter
Cooling & heating

FDM
FLOOR-CEILING

A++

PRODUCTS

- RC08C remote control included
- Alarm output and dry contact
- Long air supply distance up to 11 m
- 4D airflow

FEATURES

TECHNOLOGY:

FLEXY MATCH — FLEXY MATCH
ELECTRONIC EXPANSION VALVE
GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER
FRESH AIR

USER FUNCTIONS:

I FEEL — I FEEL
NIGHT MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

88 — ERROR CODE VIA INDOOR UNIT
SELF DIAGNOSTIC
LEFT/RIGHT DRAIN CONNECTION
ALARM OUTPUT
DRY CONTACT ON/OFF
HEATING ONLY MODE — HEATING ONLY MODE

CERTIFICATION

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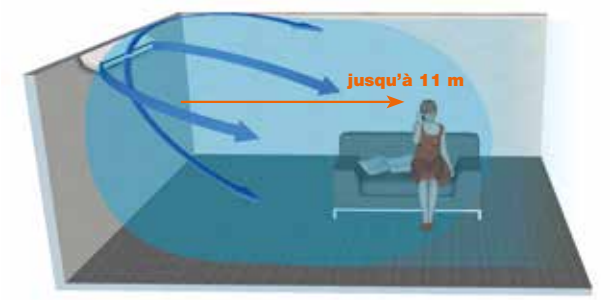
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ High energy class A++ (cooling mode)/A+ (heating mode)

THE ⊕ «USER»
→ Wide air distribution for large room volume

THE ⊕ «INSTALLER»
→ Parameters can be read on the indoor unit

THE ⊕ «TECHNOLOGY»
→ High corrosion resistance with the Golden Fin
→ Electronic expansion valve

4 DIMENSIONAL AIRFLOW FOR MAXIMUM COMFORT



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW11	7ACEL1774		Weekly timer, mode, fan speed, timer On/Off, "I Feel" function, temperature.
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump Mini Flowatch MF2	7ACTL0517		Evacuate condensates from indoor units.

FDM TECHNICAL DATA

Indoor unit		AW-FDM018-N91	AW-FDM024-N91	AW-FDM036-N91	AW-FDM036-N91	AW-FDM048-N91*	AW-FDM060-N91*
Outdoor unit		**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**	**AWAU-YMD060-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**	**Three phase**
COOLING							
Rated power (min./max.)	**kW**	**5.1 (0.8-6.1)**	**6.8 (1.2-8.2)**	**10.5 (2.9-12.0)**	**10.5 (2.9-12.0)**	**14.0 (4.0-16.4)**	**16.0 (5.0-18.1)**
Pdesignc	**kW**	**5.1**	**6.8**	**10.5**	**10.5**	**14.0**	**16.0**
Rated power input	kW	1.579	2.252	4.008	4.008	5.344	6.107
SEER/Energy label		**6.5/A++**	**6.1/A++**	**6.3/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**
Operating limits	°C	-15°/50° Dry bulb					
HEATING							
Rated power (min./max.)	**kW**	**5.6 (0.9-7.0)**	**7.5 (1.2-8.6)**	**11.0 (2.6-13.2)**	**11.0 (2.6-13.2)**	**16.0 (4.4-18.4)**	**18.0 (5.3-20.5)**
Pdesignh (average climate)	**kW**	**4.8**	**5.8**	**10.2**	**10.2**	**11.6**	**12**
Pdesignh (warmer climate)	**kW**	**5.2**	**5.8**	**10.5**	**10.5**	**11.6**	**12.2**
Rated power input	kW	1.466	2.072	3.039	3.039	4.969	5.96
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**
Operating limits	°C	-15°/24° Dry bulb					
Power @ -10 °C	kW	4.51	6.2	9.0	9.0	13.0	14.7
Power @ -15 °C	kW	3.90	5.0	7.3	7.3	10.6	11.9
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/41/44	44/49/52	43/49/52	43/49/52	46/51/54	46/51/57
Sound power level	dB(A)	57	63	63	63	66	69
Airflow (VL/LS/MS/HS)	m³/h	700/800/900	850/1050/1180	1400/1770/2050	1400/1770/2050	1400/1800/2100	1280/1660/2250
Dehumidification	l/h	1.5	2.2	3.1	3.1	5	5.5
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	25.8/30.6	25/30	40.3/46.9	40.3/46.9	38.2/44.6	40.5/47
Part number		**7SP012263**	**7SP012264**	**7SP012265**	**7SP012265**	**7SP012266**	**7SP012267**
OUTDOOR UNIT							
Sound pressure level to 1 m	dB(A)	54	60	61	61	63	63
Sound power level	dB(A)	65	65	67	68	72	75
Airflow	m³/h	2100	2700	4300	4300	6800	7200
Compressor type		Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x1470x500	1095x1470x500
Net weight/Gross weight	kg	34.5/37.2	49/51.5	67.2/72.9	78.9/83.9	108.1/121.2	112.8/126
Part number		**7SP062972**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**
POWER SUPPLY							
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am (D curve)	A	10+16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE							
Suction pipe diameter	inches	1/2”	5/8”	5/8”	5/8”	5/8”	5/8”
Liquid pipe diameter	inches	1/4”	3/8”	3/8”	3/8”	3/8”	3/8”
Max. length	m	30	50	65	65	65	65
Max. height	m	20	25	30	30	30	30
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	1.35	1.95	3.2	3.2	4.0	4.3
Additional charge	g/m	15	30	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor-ceiling	**Monosplit**
FDM 18-24-36	YMD
FDM 48-60	YMD

CDM
CASSETTE

A++

CDM 012-018

600x600 and 900x900

CDM 024-048

PRODUCTS

- RC08C remote control included
- Compact design
- Alarm output and dry contact
- Round flow 360° blown air output
- Multisplit compatible
- Auxiliary air supply and fresh air supply

FEATURES

TECHNOLOGY:

FLEXY MATCH · ELECTRONIC EXPANSION VALVE · MULTIFLOW 360° · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER

USER FUNCTIONS:

I FEEL · NIGHT MODE · 24 H PROGRAMMABLE TIMER · RESTART AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · INTEGRATED WATER PUMP · ALARM OUTPUT · DRY CONTACT ON/OFF · HEATING ONLY MODE

CERTIFICATION

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EUROVENT CERTIFIED PERFORMANCE
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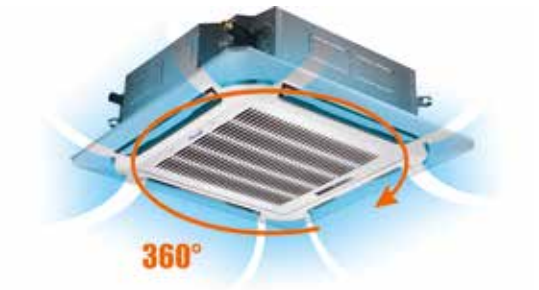
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ High energy class A++ (cooling mode)/A+ (heating mode)

THE ⊕ «USER»
→ Homogeneous airflow distribution in the room for greater comfort
→ User comfort (“I Feel” as option)

THE ⊕ «INSTALLER»
→ Suitable for rooms with limited space
→ Parameters can be read on the indoor unit

THE ⊕ «TECHNOLOGY»
→ High corrosion resistance with the Golden Fin
→ Electronic expansion valve

360° AIRFOLW WITH ROUND CORNERS



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW11	7ACEL1774		Weekly timer, mode, fan speed, timer On/Off, “I Feel” function, temperature.
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.

CDM TECHNICAL DATA

		Multisplit configuration only						
Indoor unit		**AW-CDM009X-N91***	**AW-CDM012-N91**	**AW-CDM018-N91**	**AW-CDM024-N91**	**AW-CDM036-N91**	**AW-CDM036-N91**	**AW-CDM048-N91***
Outdoor unit		**-**	**AWAU-YMD012-H11**	**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**
COOLING								
Rated power (min./max.)	**kW**	**2.6 (0.8-3.3)**	**3.5 (0.8-4.1)**	**5.1 (0.8-6.1)**	**6.8 (1.2-8.2)**	**10.5 (2.9-12.0)**	**10.5 (2.9-12.0)**	**14.0 (4.0-16.1)**
Pdesignc	**kW**		**3.5**	**5.1**	**6.8**	**10.5**	**10.5**	**14.0**
Rated power input	kW		0.9	1.579	2.105	4.008	4.008	5.344
SEER/Energy label			6.8/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	**kW**	**2.9 (0.85-3.7)**	**4.1 (0.5-4.4)**	**5.6 (0.9-7.0)**	**7.6 (1.2-8.6)**	**11.2 (2.6-13.2)**	**11.2 (2.6-13.2)**	**15.5 (4.2-17.6)**
Pdesignh (average climate)	**kW**		**3.5**	**4.8**	**5.8**	**9.8**	**10.0**	**11.5**
Pdesignh (warmer climate)	**kW**		**3.6**	**5**	**5.8**	**10.5**	**10.5**	**11.6**
Rated power input	kW		0.995	1.509	2.049	3.216	3.216	4.532
SCOP/Energy label (average climate)			4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)			5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10 °C	kW		3.56	4.39	6.17	8.99	8.99	13.04
Power @ -15 °C	kW		2.90	3.58	5.03	7.33	7.33	10.63
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	32/36/39	34/38/42	36/40/44	42/44/47	48/51/54	48/51/54	46/49/52
Sound power level	dB(A)	53	55	60	62	63	63	64
Airflow (LS/MS/HS)	m³/h	450/500/580	450/530/650	490/550/660	1300/1500/1700	1400/1600/1850	1400/1600/1850	1600/1800/2200
Dehumidification	l/h	1.2	1.5	2	2.5	3.8	3.8	4.5
Outline dimensions (WxHxD)	mm	570x270x570	570x270x570	570x270x570	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	655x290x655	655x290x655	655x290x655	900x257x900	900x257x900	900x257x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	18.6/19	16.5/19	24/28	26.4/30.4	26.4/30.4	28/32.1
Part number		**7SP042261X**	**7SP042262**	**7SP042263**	**7SP042264**	**7SP042265**	**7SP042265**	**7SP042266**
FRAME								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		**7ACVF0566**	**7ACVF0566**	**7ACVF0566**	**7ACVF0564**	**7ACVF0564**	**7ACVF0564**	**7ACVF0564**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)		56	54	60	61	61	63
Sound power level	dB(A)		63	65	65	67	68	72
Airflow	m³/h		2000	2100	2700	4300	4300	6800
Compressor type			Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x415x1333
Package dimensions (WxHxD)	mm		920x615x390	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x500x1470
Net weight/Gross weight	kg		29.9/32.6	34.5/37.2	49/51.5	67.2/72.9	81/86.9	108.1/121.2
Part number			**7SP062970**	**7SP062892**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**
POWER SUPPLY								
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side			Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²		3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am (D curve)	A		16	10+16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.0	4x1.0	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	65	65	65
Max. height	m		10	20	25	30	30	30
Refrigerant/GWP			**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg		1.05	1.35	1.95	3.2	3.2	4.0
Additional charge	g/m		15	15	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Cassette	**Monosplit**	**Multisplit**
CDM 9X		YCZ
CDM 12 & 18	YMD	YCZ

Indoor unit	Compatible with outdoor unit
Cassette	**Monosplit**
CDM 24 & 36	YMD
CDM 48	YMD

R410A

DC Inverter
Cooling & heating

DDM
DUCTED MEDIUM STATIC PRESSURE

DDM 012

A++

DDM 018-060

PRODUCTS

- RCW11 remote control included
- Low height (200 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- Multisplit compatible
- Constant flow control

FEATURES

TECHNOLOGY:

FLEXY MATCH — FLEXY MATCH
ELECTRONIC EXPANSION VALVE
GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER

USER FUNCTIONS:

I FEEL — I FEEL
NIGHT MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

88 — ERROR CODE VIA INDOOR UNIT
SELF DIAGNOSTIC
INTEGRATED WATER PUMP
LEFT/RIGHT DRAIN CONNECTION
ALARM OUTPUT
DRY CONTACT ON/OFF
HEATING ONLY MODE — HEATING ONLY MODE

CERTIFICATION

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* models so marked are not Eurovent certified

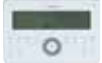
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ High energy class A++ (cooling mode)/A+ (heating mode)

THE ⊕ «USER»
→ Invisible: blends into all types of interiors
→ Quiet

THE ⊕ «INSTALLER»
→ Suitable for long duct lengths (160 Pa)

THE ⊕ «TECHNOLOGY»
→ Golden Fin (high corrosion resistance)
→ Electronic expansion valve
→ Self-adjusting static pressure

OPTIONS

Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, “Follow me” option, swing, technician mode, heating only mode.
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Insulated air duct plenum	7ACVF0136		3 ducts DN160. For DDM 12-18.
	7ACVF0137		3 ducts DN 160. For DDM 24.
	7ACVF0138		3 ducts DN 160. For DDM 36.
	7ACVF0139		3 ducts DN 160. For DDM 48-60.

DDM TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91	AW-DDM024-N91	AW-DDM036-N91	AW-DDM036-N91	AW-DDM048-N91*	AW-DDM060-N91*
Outdoor unit		**AWAU-YMD012-H11**	**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**	**AWAU-YMD060-H13**
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	**kW**	**3.5 (0.5-4.1)**	**5.1 (0.8-6.1)**	**7 (1.2-8.2)**	**10.0 (2.9-12.0)**	**10.0 (2.9-12.0)**	**14.0 (4.1-16.4)**	**16 (5.0-18.1)**
Pdesignc	**kW**	**3.5**	**5.1**	**7**	**10.0**	**10.0**	**14.0**	**16**
Rated power input	kW	1.300	1.579	2.167	3.817	3.817	4.965	6.612
SEER/Energy label		6.1/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	5.6/A+
Operating limits	°C	-20°/50° DB	-15°/50° Dry bulb					
HEATING								
Rated power (min./max.)	**kW**	**3.80 (0.9-4.6)**	**5.8 (0.9-7.0)**	**7.3 (1.2-8.6)**	**11.5 (2.6-13.2)**	**11.5 (2.6-13.2)**	**16 (4.3-18.1)**	**18.0 (5.3-20.5)**
Pdesignh (average climate)	**kW**	**2.6**	**4.7**	**6**	**10.2**	**10.0**	**12**	**12.2**
Pdesignh (warmer climate)	**kW**	**3.4**	**5**	**6**	**10.5**	**10.5**	**12.2**	**12.4**
Rated power input	kW	1.200	1.518	1.911	3.091	3.091	4.301	5.263
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		4.9/A++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-20°/24° DB	-15°/24° Dry bulb					
Power @ -10 °C	kW	2.4	4.8	7.6	9.8	9.5	12.9	14.1
Power @ -15 °C	kW	1.9	3.8	6.2	7.6	7.6	10.1	12.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	27/34/40	38/40/42	38/40/42	38/40/42	42/44/46	48/50/52	54/56/58
Sound power level	dB(A)	60	59	62	63	63	69	74
Airflow (LS/MS/HS)	m³/h	300/480/600	690/850/980	780/1000/1200	920/1100/1400	920/1100/1400	1450/1740/2100	1800/2150/2500
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)	25 (0-100)	37 (0-120)	37 (0-120)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x450	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x275x540	1070x270x725	130x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	25.4/31	31.7/39.1	40.2/48.4	40.2/48.4	46/55.2	46/55.2
Part number		**7SP032190**	**7SP032191**	**7SP032192**	**7SP032193**	**7SP032193**	**7SP032194**	**7SP032195**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	56	54	60	61	61	63	63
Sound power level	dB(A)	63	65	65	67	68	72	75
Airflow	m³/h	2000	2100	2700	4300	4300	6800	7200
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x1470x500	1095x1470x500
Net weight/Gross weight	kg	29.9/32.6	34.5/37.2	49/51.5	67.2/72.9	78.9/83.9	108.1/121.2	112.8/126
Part number		**7SP062970**	**7SP062972**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**
POWER SUPPLY								
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am (D curve)	A	16	10+16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.0	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	1.05	1.35	1.95	3.2	3.2	4.0	4.3
Additional charge	g/m	15	15	30	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Ducted	**Monosplit**	**Multisplit**
DDM 12 & 18	YMD	YCZ
DDM 24 & 36	YMD	
DDM 48 & 60	YMD	

DDB
DUCTED HIGH STATIC PRESSURE

DDB 068-085-102

DDB 136

PRODUCTS

- RCW18 remote control included
- High statique pressure
- Light commercial application

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

AIR QUALITY/CLEAN:

AIR FILTER

USER FUNCTIONS:

I FEEL — NIGHT MODE — PROGRAMMABLE TIMER — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

ERROR CODE *VIA* INDOOR UNIT — SELF DIAGNOSTIC

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ Energy savings, thanks to the power modulation

THE ⊕ «USER»
→ Invisible: blends into all types of interiors

THE ⊕ «INSTALLER»
→ Suitable for long duct lengths (250 Pa)

THE ⊕ «TECHNOLOGY»
→ Electronic expansion valve
→ DC Inverter solution

DDB TECHNICAL DATA

Indoor unit		AW-DDB068-N11	AW-DDB085-N11	AW-DDB102-N11	AW-DDB136-N13
Outdoor unit		**AW-YDDB068-H13**	**AW-YDDB085-H13**	**AW-YDDB102-H13**	**AW-YDDB068-H13 x 2**
Phase		**Three phase**	**Three phase**	**Three phase**	**Three phase**
COOLING					
Rated power	**kW**	**20**	**25**	**30**	**40**
Pdesignc	**kW**	**19.65**	**24.74**	**30.00**	**37.73**
Rated power input	kW	7.8	9.44	11.3	15.45
EER		2.55	2.65	2.65	2.60
Operating limits	°C	-7°/48° Dry bulb			
HEATING					
Rated power	**kW**	**22**	**27.5**	**33**	**43**
Pdesignh (average climate)	**kW**	**13.60**	**16.30**	**19.80**	**24.30**
Rated power input	kW	7.00	8.87	10.30	13.85
COP		3.25	3.10	3.20	3.10
Operating limits	°C	-15°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	50/51/52	51/52/53	53/54/55	54/55/56
Sound power level	dB(A)	61	62	64	65
Airflow	m³/h	3700	4200	5200	7000
External static pressure (standard/max.)	Pa	120 (0-250)	120 (0-250)	120 (0-250)	120 (0-250)
Outline dimensions (WxHxD)	mm	1315x385x760	1520x840x450	1520x840x450	1680x650x900
Package dimensions (WxHxD)	mm	1578x400x883	1788x465x988	1788x465x988	1923x850x1153
Net weight/Gross weight	kg	82/104	99/134	105/145	165/210
Part number		**7SP033046**	**7SP033047**	**7SP033048**	**7SP033049**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	62	63	65	62
Sound power level	dB(A)	72	73	75	72
Compressor type		Scroll DCI	Scroll DCI	Scroll DCI	Scroll DCI
Outline dimensions (WxHxD)	mm	940x1430x320	940x1615x460	940x1615x460	940x1430x320 x2
Package dimensions (WxHxD)	mm	1038x1580x438	1038x1765x578	1038x1765x578	1038x1580x438 x2
Net weight/Gross weight	kg	120/130	146/162	175/190	120/130 x2
Part number		**7SP063105**	**7SP063106**	**7SP063107**	**7SP063105 x 2**
POWER SUPPLY					
Phase/Voltage/Frequency		3P/380-415V/50-60Hz	3P/380-415V/50-60Hz	3P/380-415V/50-60Hz	3P/380-415V/50-60Hz
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.5 + 5x2.5	3x1.5 + 5x2.5	3x1.5 + 5x4	5x1.5 + (5x2.5)x2
Fuse rating am (D curve)	A	10 + 20	10 + 25	10 + 32	10 + 20x2
Electrical connections	mm²	2x1	2x1	2x1	2x1
PIPE LINE					
Suction pipe diameter	inches	3/4"	7/8"	1"	3/4" x2
Liquid pipe diameter	inches	3/8"	3/8"	1/2"	3/8" x2
Max. length	m	70	70	70	70
Max. height	m	30	30	30	30
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	6.4	8	9.5	6.4 x2
Additional charge	g/m	60	60	120	60

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Ducted	**Monosplit**
DDB 68	YDDB068
DDB 85 & 102	YDDB085 & YDDB102
DDB 136	YDDB068 x 2

YCZ
MULTISPLIT

A++

YCZ218

YCZ327 - YCZ430 - YCZ542

COMPATIB
W

PRODUCTS

- Flexy Match (compatible with a large part of the range)
- Total length of tubes up to 80 m
- Unitl 5 indoor units and 12.5 kW
- Electronic expansion valve

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

CERTIFICATION

AIRWELL participates in the ECP programme for EC1.
Check ongoing validity of certificate:
www.eurovent-certification.com

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

* models so marked are not Eurovent certified

THE + «SUSTAINABLE DEVELOPMENT»
→ High energy class A++ (cooling mode)/A+ (heating mode)
→ Energy savings (heating mode only, setpoint limits)

THE + «USER»
→ A large choice of indoor units
→ Small footprint with a single outdoor unit

THE + «INSTALLER»
→ Scalable and flexible installation
→ Long piping

THE + «TECHNOLOGY»
→ High corrosion resistance with the Golden Fin
→ Refrigerant leak detection

COMBINATIONS

Sizes	High wall HKD	Ducted DDM	Cassette CDM
9	AWSI-HKD009-N11 **7SP023130**	-	AW-CDM009X-N91 **7SP042261X*** Frame part number **7ACVF0566**
12	AWSI-HKD012-N11 **7SP023131**	AW-DDM012-N91 **7SP032190**	AW-CDM012-N91 **7SP042262** Frame part number **7ACVF0566**
18	AWSI-HKD018-N11 **7SP023132**	AW-DDM018-N91 **7SP032191**	AW-CDM018-N91 **7SP042263** Frame part number **7ACVF0566**
24	AWSI-HKD024-N11 **7SP023133**	-	-

*** Dedicated part number for multisplit application.**

YCZ TECHNICAL DATA

Outdoor units			AWAU-YCZ218-H11	AWAU-YCZ327-H11*	AWAU-YCZ430-H11*	AWAU-YCZ542-H11*
Phase			Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT						
	Rated power (min./max.)	**kW**	**5.27 (2.05-6.85)**	**7.91 (2.96-8.50)**	**8.21 (2.05-9.84)**	**12.30 (2.05-14.15)**
	Pdesignc	**kW**	**5.3**	**7.8**	**8.5**	**12.3**
	power input	kW	2.47	2.27	3.82	
	Energy label			6.6/A++ *	6.6/A++ *	6.6/A++ *
	Operating limits	°C	-15°/50° Dry bulb			
Heating	**Rated power (min./max.)**	**kW**	**5.56 (1.72-7.03)**	**8.21 (2.03-9.37)**	**8.79 (2.34-10.55)**	**12.30 (2.34-14.77)**
Heating	**Pdesignh (average climate)**	**kW**	**5.3**	**6.5**	**7.2**	**9.6**
Heating	**Pdesignh (warmer climate)**	**kW**	**5.5**	**6.6**	**7.3**	**9.8**
Heating	Rated power input	kW	1.50	2.27	2.43	3.37
Heating	SCOP/Energy label (average climate)		4.1/A+	4.0/A+	3.9/A	3.8/A
Heating	SCOP/Energy label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	4.6/A++
Heating	Operating limits	°C	-15°/24° Dry bulb			
Heating	Power @ -10 °C	kW	4.5	6.5	6.6	8.4
Heating	Power @ -15 °C	kW	4	5.7	5.8	7.2
Sound pressure level to 1 m		dB(A)	57	60	60	62
Sound power level		dB(A)	65	69	67	69
Airflow		m³/h	2100	3500	3800	5500
Compressor type			Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)		mm	800x554x333	845x702x363	946x810x410	946x810x410
Package dimensions (WxHxD)		mm	920x625x390	965x775x395	1090x875x500	1090x875x500
Net weight/Gross weight		kg	37.5/40.5	55.2/58.2	67.6/73.4	77/83
Part number			**7SP091185**	**7SP091186**	**7SP091187**	**7SP091173**
POWER SUPPLY						
Phase/Tension/Frequency			1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Power cable section		mm²	3x2.5	3x2.5	3x2.5	3x4.0
Fuse rating am (D curve)		A	20	25	30	30
Electrical connections		mm²	2 (4x1.0)	3 (4x1.0)	4 (4x1.0)	5 (4x1.0)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	3x3/8"+1/2"	4x3/8"+1/2"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max. length		m	40	60	80	80
Max. length per circuit		m	25	30	35	35
Max. height between indoor and oudoor units	ODU higher than IDU	m	15	15	15	15
Max. height between indoor and oudoor units	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units		m	10	10	10	10
Refrigerant / GWP			**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge		kg	1.7	2.1	2.4	3.6
Amount length		m	15	22.5	30	37.5
Additional charge		g/m	15	15	15	15

* A++ for HKD 9 x 3 combinations.

Nota: Pipe adaptor (3/8"➔1/2") needs to be fixed on the gas valve of outdoor unit when connecting 18K indoor unit. This adaptor can be supplied by Airwell (ref. 15111600000297).
Pipe adaptor 3/8"➔5/8" needs to be fixed on the gas valve and a pipe adaptor 1/4"➔3/8" on the liquid valve of outdoor unit when connecting 24K indoor unit.

YCZ
POWER COMBINATION

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18/24

DUCTED MEDIUM STATIC PRESSURE DDM 12/18

CASSETTE
CDM 9X/12/18

YCZ218 MULTISPLIT DUO

Indoor units combinations	COOLING									HEATING								
	Rated power (kW)		Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)		Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.60	2.60	2.08	5.20	6.29	0.53	1.61	2.17	6.3/A++	2.75	2.75	2.20	5.50	6.66	0.47	1.38	1.86	4.0/A+
9+12	2.31	3.09	2.08	5.40	6.29	0.53	1.67	2.17	6.3/A++	2.40	3.20	2.20	5.60	6.66	0.47	1.45	1.86	4.0/A+
9+18	1.80	3.60	2.08	5.40	6.34	0.53	1.67	2.17	6.3/A++	1.87	3.73	2.20	5.60	6.71	0.47	1.45	1.86	4.0/A+
12+12	2.70	2.70	2.08	5.40	6.29	0.53	1.67	2.17	6.3/A++	2.80	2.80	2.20	5.60	6.66	0.47	1.45	1.86	4.0/A+

Based on wall mounted combination

YCZ327 MULTISPLIT TRIO

Indoor units combinations	COOLING										HEATING									
	Rated power (kW)			Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)			Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.65	2.65	-	2.21	5.30	7.11	0.64	1.64	2.45	6.3/A++	3.00	3.00	-	2.21	6.00	7.11	0.55	1.61	2.12	3.8/A
9+12	2.57	3.43	-	2.21	6.00	7.51	0.64	1.86	2.57	6.3/A++	2.70	3.60	-	2.21	6.30	7.51	0.55	1.69	2.23	3.8/A
9+18	2.27	4.53	-	2.21	6.80	7.90	0.64	2.11	2.69	6.3/A++	2.33	4.67	-	2.21	7.00	7.90	0.55	1.88	2.34	3.8/A
12+12	3.15	3.15	-	2.21	6.30	7.66	0.64	1.95	2.64	6.3/A++	3.25	3.25	-	2.21	6.50	7.66	0.55	1.74	2.29	3.8/A
12+18	2.72	4.08	-	2.21	6.80	7.90	0.64	2.11	2.69	6.3/A++	2.80	4.20	-	2.21	7.00	7.90	0.55	1.88	2.34	3.8/A
9+9+9	2.63	2.63	2.63	2.77	7.90	8.69	0.76	2.45	2.91	6.6/A++	2.63	2.63	2.63	2.77	7.90	8.69	0.66	2.12	2.53	4.0/A+
9+9+12	2.37	2.37	3.16	2.77	7.90	8.69	0.76	2.45	2.91	6.6/A++	2.40	2.40	3.20	2.77	8.00	8.69	0.66	2.15	2.53	4.0/A+
9+12+12	2.15	2.87	2.87	2.77	7.90	8.69	0.76	2.45	2.91	6.6/A++	2.18	2.91	2.91	2.77	8.00	8.69	0.66	2.15	2.53	4.0/A+
9+12+18	1.82	2.43	3.65	2.77	7.90	8.69	0.76	2.45	2.91	6.3/A++	2.08	2.77	4.15	2.80	9.00	8.80	0.67	2.42	2.56	4.0/A+
12+12+12	2.63	2.63	2.63	2.77	7.90	8.69	0.76	2.45	2.91	6.6/A++	2.67	2.67	2.67	2.77	8.00	8.69	0.66	2.15	2.53	4.0/A+

Based on wall mounted combination

YCZ430 MULTISPLIT QUATTRO

Indoor units combinations	COOLING											HEATING										
	Rated power (kW)				Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)				Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.65	2.65	-	-	2.05	5.30	6.81	0.62	1.65	2.23	6.1/A++	3.00	3.00	-	-	2.28	6.00	7.55	0.61	1.66	2.20	3.8/A
9+12	2.57	3.43	-	-	2.05	6.00	6.98	0.62	1.87	2.35	6.1/A++	3.00	4.00	-	-	2.28	7.00	7.74	0.61	1.94	2.32	3.8/A
9+18	2.43	4.87	-	-	2.05	7.30	7.55	0.62	2.27	2.72	6.1/A++	2.63	5.27	-	-	2.28	7.90	8.37	0.61	2.19	2.69	3.8/A
9+24	2.05	5.45	-	-	2.05	7.50	7.55	0.62	1.78	2.72	6.1/A++	2.15	5.75	-	-	2.28	7.90	8.37	0.61	2.19	2.69	3.8/A
12+12	3.25	3.25	-	-	2.05	6.50	7.39	0.62	2.02	2.42	6.1/A++	3.75	3.75	-	-	2.28	7.50	8.19	0.61	2.08	2.40	3.8/A
12+18	2.50	5.00	-	-	2.05	7.50	9.03	0.62	2.34	2.72	6.1/A++	3.20	4.80	-	-	2.28	8.00	8.37	0.61	2.22	2.69	3.8/A
18+18	3.75	3.75	-	-	2.05	7.50	7.55	0.62	2.34	2.72	6.1/A++	4.5	4.5	-	-	9	2.8	10	2.61	0.85	3.05	3.8/A
9+9+9	2.60	2.60	2.60	-	2.63	7.80	8.46	0.74	2.40	2.87	6.5/A++	2.93	2.93	2.93	-	2.91	8.80	9.37	0.73	2.36	2.84	3.9/A
9+9+12	2.34	2.34	3.12	-	2.63	7.80	8.46	0.74	2.40	2.87	6.5/A++	2.64	2.64	3.52	-	2.91	8.80	9.37	0.73	2.36	2.84	3.9/A
9+9+18	1.95	1.95	3.90	-	2.63	7.80	8.46	0.74	2.40	2.87	6.5/A++	2.20	2.20	4.40	-	2.91	8.80	9.37	0.73	2.37	2.84	3.9/A
9+12+12	2.13	2.84	2.84	-	2.63	7.80	8.46	0.74	2.40	2.87	6.5/A++	2.40	3.20	3.20	-	2.91	8.80	9.37	0.73	2.37	2.84	3.9/A
9+12+18	1.80	2.40	3.60	-	2.63	7.80	8.46	0.74	2.40	2.87	6.5/A++	2.03	2.71	4.06	-	2.91	8.80	9.37	0.73	2.37	2.84	3.9/A
12+12+12	2.60	2.60	2.60	-	2.50	7.80	8.46	0.72	2.40	2.87	6.5/A++	2.93	2.93	2.93	-	2.82	8.80	9.37	0.71	2.37	2.84	3.9/A
9+9+9+9	2.05	2.05	2.05	2.05	3.04	8.21	9.93	0.84	2.50	3.09	6.8/A++	2.28	2.28	2.28	2.28	3.37	9.10	11.01	0.83	2.45	3.06	4.0/A+
9+9+9+12	1.89	1.89	1.89	2.53	3.04	8.21	9.93	0.84	2.50	3.09	6.8/A++	2.10	2.10	2.10	2.80	3.37	9.10	11.01	0.83	2.45	3.06	4.0/A+

Based on wall mounted combination

R410A

DC Inverter
Cooling & heating

YCZ
POWER COMBINATION

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18/24

DUCTED MEDIUM STATIC PRESSURE DDM 12/18

CASSETTE
CDM 9X/12/18

YCZ542 MULTISPLIT CINCO

Indoor units combinations	COOLING												HEATING											
	Rated power (kW)					Total cooling power (kW)			Total Input power (kW)			SEER/ Energy label	Rated power (kW)					Total heating power (kW)			Total Input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.65	2.65	-	-	-	2.34	5.30	8.00	0.63	1.64	2.50	6.2/A++	3.00	3.00	-	-	-	2.34	6.00	8.00	0.57	1.65	2.26	3.6/A
9+12	2.57	3.43	-	-	-	2.34	6.00	8.61	0.63	1.86	2.53	6.2/A++	2.91	3.89	-	-	-	2.34	6.80	8.61	0.57	1.87	2.29	3.6/A
9+18	2.50	5.00	-	-	-	2.34	7.50	11.07	0.63	2.34	2.80	6.2/A++	2.93	5.87	-	-	-	2.34	8.80	11.07	0.57	2.42	2.53	3.6/A
9+24	2.65	7.05	-	-	-	2.34	9.70	12.30	0.63	3.02	3.17	6.2/A++	2.78	7.42	-	-	-	2.34	10.20	12.30	0.57	2.82	2.86	3.6/A
12+12	3.50	3.50	-	-	-	2.34	7.00	9.23	0.63	2.17	2.65	6.2/A++	3.75	3.75	-	-	-	2.34	7.50	9.23	0.57	2.07	2.39	3.6/A
12+18	3.40	5.10	-	-	-	2.34	8.50	11.69	0.63	2.65	3.06	6.2/A++	3.76	5.64	-	-	-	2.34	9.40	11.69	0.57	2.59	2.76	3.8/A
12+24	3.33	6.67	-	-	-	2.34	10.00	12.30	0.63	3.12	3.35	6.2/A++	3.50	7.00	-	-	-	2.34	10.50	12.30	0.57	2.90	3.03	3.8/A
18+18	5.25	5.25	-	-	-	2.34	10.50	12.30	0.63	3.27	3.35	6.2/A++	5.50	5.50	-	-	-	2.34	11.00	12.30	0.57	3.04	3.03	3.8/A
18+24	4.93	6.57	-	-	-	2.34	11.50	12.50	0.63	3.58	3.35	6.2/A++	4.93	6.57	-	-	-	2.34	11.50	12.50	0.57	3.18	3.03	3.8/A
24+24	6.00	6.00	-	-	-	2.34	12.00	12.50	0.63	3.74	3.35	6.2/A++	5.75	5.75	-	-	-	2.34	11.50	12.50	0.57	3.19	3.03	3.8/A
9+9+9	2.67	2.67	2.67	-	-	2.89	8.00	10.46	0.78	2.46	3.73	6.5/A++	3.33	3.33	3.33	-	-	2.89	10.00	12.30	0.71	2.74	3.37	3.6/A
9+9+12	2.70	2.70	3.60	-	-	2.89	9.00	12.92	0.78	2.78	3.54	6.5/A++	3.30	3.30	4.40	-	-	2.89	11.00	12.30	0.71	3.01	3.20	3.6/A
9+9+18	2.63	2.63	5.25	-	-	2.89	10.50	12.30	0.78	3.26	3.73	6.5/A++	2.88	2.88	5.75	-	-	2.89	11.50	12.30	0.71	3.17	3.37	3.5/A
9+9+24	2.46	2.46	6.57	-	-	2.89	11.50	12.92	0.78	3.57	3.88	6.5/A++	2.57	2.57	6.86	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.4/A
9+12+12	2.45	3.27	3.27	-	-	2.89	9.00	11.07	0.78	2.78	3.54	6.5/A++	3.14	4.18	4.18	-	-	2.89	11.50	12.30	0.71	3.16	3.20	3.4/A
9+12+18	2.54	3.38	5.08	-	-	2.89	11.00	11.69	0.78	3.42	3.73	6.5/A++	2.77	3.69	5.54	-	-	2.89	12.00	12.92	0.71	3.31	3.37	3.5/A
9+12+24	2.30	3.07	6.13	-	-	2.89	11.50	12.92	0.78	3.57	3.88	6.5/A++	2.40	3.20	6.40	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.4/A
9+18+18	2.40	4.80	4.80	-	-	2.89	12.00	12.92	0.78	3.74	3.88	6.5/A++	2.40	4.80	4.80	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.5/A
12+12+12	3.17	3.17	3.17	-	-	2.89	9.50	11.07	0.78	2.93	3.65	6.5/A++	3.83	3.83	3.83	-	-	2.89	11.50	12.30	0.71	3.16	3.30	3.5/A
12+12+18	3.29	3.29	4.93	-	-	2.89	11.50	12.92	0.78	3.57	3.88	6.5/A++	3.43	3.43	5.14	-	-	2.89	12.00	12.92	0.71	3.31	3.50	3.5/A
12+12+24	3.00	3.00	6.00	-	-	2.89	12.00	12.92	0.78	3.74	3.88	6.5/A++	3.00	3.00	6.00	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.4/A
12+18+18	3.00	4.50	4.50	-	-	2.89	12.00	12.92	0.78	3.74	3.88	6.5/A++	3.00	4.50	4.50	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.4/A
12+18+24	2.67	4.00	5.33			2.89	12.00	12.92	0.78	3.74	3.88	6.5/A++	2.67	4.00	5.33	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.4/A
18+18+18	4.00	4.00	4.00	-	-	2.89	12.00	12.92	0.78	3.74	3.88	6.5/A++	4.00	4.00	4.00	-	-	2.89	12.00	12.92	0.71	3.32	3.50	3.5/A
9+9+9+9	2.63	2.63	2.63	2.63	-	3.69	10.50	12.92	0.89	3.25	4.10	6.8/A++	3.00	3.00	3.00	3.00	-	3.69	12.00	13.53	0.81	3.30	3.71	3.8/A
9+9+9+12	2.65	2.65	2.65	3.54	-	3.69	11.50	13.53	0.89	3.57	4.10	6.8/A++	2.77	2.77	2.77	3.69	-	3.69	12.00	13.53	0.81	3.31	3.71	3.7/A
9+9+9+18	2.40	2.40	2.40	4.80	-	3.69	12.00	13.53	0.89	3.74	4.29	6.8/A++	2.40	2.40	2.40	4.80	-	3.69	12.00	13.53	0.81	3.32	3.88	3.6/A
9+9+9+24	2.17	2.17	2.17	5.79	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	2.17	2.17	2.17	5.79	-	3.69	12.30	13.53	0.81	3.41	3.88	3.4/A
9+9+12+12	2.46	2.46	3.29	3.29	-	3.69	11.50	13.53	0.89	3.57	4.10	6.8/A++	2.57	2.57	3.43	3.43	-	3.69	12.00	13.53	0.81	3.31	3.71	3.5/A
9+9+12+18	2.25	2.25	3.00	4.50	-	3.69	12.00	13.53	0.89	3.74	4.29	6.8/A++	2.25	2.25	3.00	4.50	-	3.69	12.00	13.53	0.81	3.32	3.88	3.5/A
9+9+12+24	2.05	2.05	2.73	5.47	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	2.05	2.05	2.73	5.47	-	3.69	12.30	13.53	0.81	3.40	3.88	3.4/A
9+9+18+18	2.05	2.05	4.10	4.10	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	2.00	2.00	4.00	4.00	-	3.69	12.00	13.53	0.81	3.31	3.88	3.5/A
9+12+12+12	2.30	3.07	3.07	3.07	-	3.69	11.50	13.53	0.89	3.57	4.10	6.8/A++	2.40	3.20	3.20	3.20	-	3.69	12.00	13.53	0.81	3.31	3.71	3.6/A
9+12+12+18	2.17	2.89	2.89	4.34	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	2.12	2.82	2.82	4.24	-	3.69	12.00	13.53	0.81	3.32	3.88	3.5/A
9+12+12+24	1.94	2.59	2.59	5.18	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	1.94	2.59	2.59	5.18	-	3.69	12.30	13.53	0.81	3.40	3.88	3.4/A
9+12+18+18	1.94	2.59	3.88	3.88	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	1.89	2.53	3.79	3.79	-	3.69	12.00	13.53	0.81	3.31	3.88	3.4/A
12+12+12+12	2.88	2.88	2.88	2.88	-	3.69	11.50	13.53	0.89	3.57	4.10	6.8/A++	3.00	3.00	3.00	3.00	-	3.69	12.00	13.53	0.81	3.31	3.71	3.6/A
12+12+12+18	2.73	2.73	2.73	4.10	-	3.69	12.30	13.53	0.89	3.83	4.29	6.8/A++	2.67	2.67	2.67	4.00	-	3.69	12.00	13.53	0.81	3.32	3.88	3.5/A
9+9+9+9+9	2.46	2.46	2.46	2.46	2.46	4.18	12.30	14.00	1.01	3.73	4.96	7.7/A++	2.46	2.46	2.46	2.46	2.46	4.18	12.30	14.94	0.91	3.37	4.48	3.8/A
9+9+9+9+12	2.31	2.31	2.31	2.31	3.08	4.18	12.30	14.00	1.01	3.73	4.96	7.7/A++	2.31	2.31	2.31	2.31	3.08	4.18	12.30	14.94	0.91	3.37	4.48	3.8/A
9+9+9+9+18	2.05	2.05	2.05	2.05	4.10	4.18	12.30	14.00	1.01	3.76	4.96	7.7/A++	2.05	2.05	2.05	2.05	4.10	4.18	12.30	14.94	0.91	3.28	4.48	3.5/A
9+9+9+12+12	2.17	2.17	2.17	2.89	2.89	4.18	12.30	14.00	1.01	3.75	4.96	7.7/A++	2.17	2.17	2.17	2.89	2.89	4.18	12.30	14.94	0.91	3.32	4.48	3.6/A
9+9+9+12+18	1.94	1.94	1.94	2.59	3.88	4.18	12.30	14.00	1.01	3.80	4.96	7.7/A++	1.94	1.94	1.94	2.59	3.88	4.18	12.30	14.94	0.91	3.28	4.48	3.5/A
9+9+12+12+12	2.05	2.05	2.73	2.73	2.73	4.18	12.30	14.00	1.01	3.75	4.96	7.7/A++	2.05	2.05	2.73	2.73	2.73	4.18	12.30	14.94	0.91	3.32	4.48	3.6/A
9+12+12+12+12	1.94	2.59	2.59	2.59	2.59	4.18	12.30	14.00	1.01	3.76	4.96	7.7/A++	1.94	2.59	2.59	2.59	2.59	4.18	12.30	14.94	0.91	3.28	4.48	3.5/A

Based on wall mounted combination

WELLZONE
ZONE BY ZONE REGULATION

Wellzone: the ideal temperature in each room

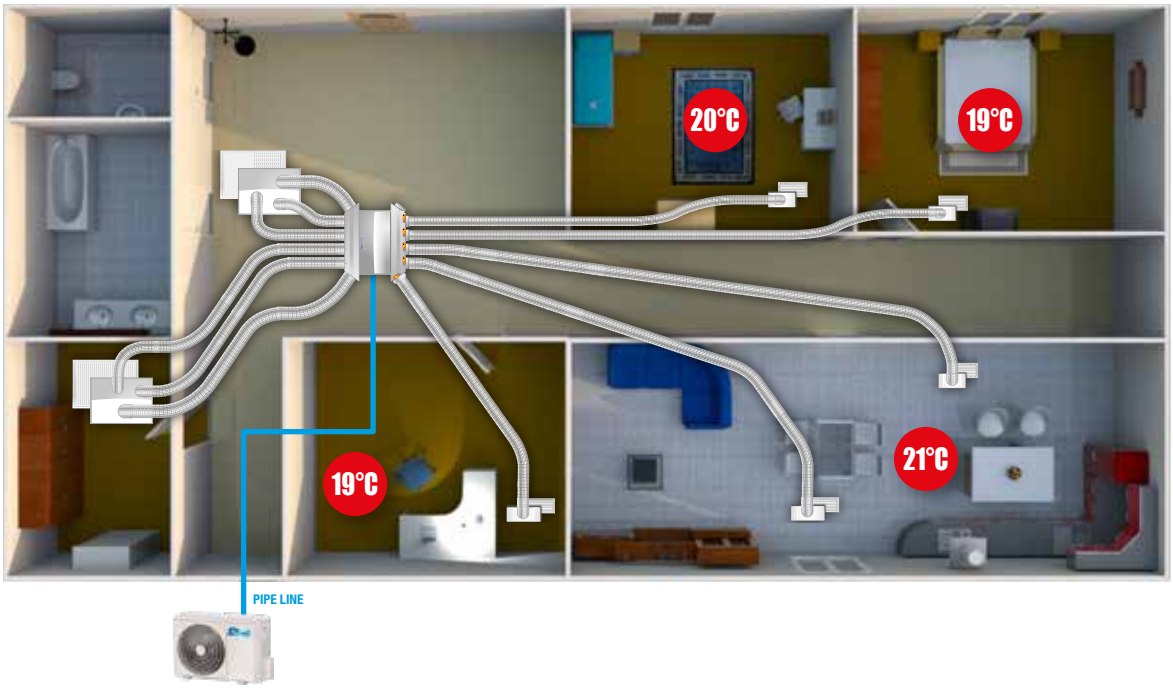
INFO!

This solution works with the DDM gainable.

More details on p. 24

- → Air/air heat pump: **check up to 6 zones** in heating and cooling mode.
- → The air registers modify their position (from 0 to 100 %) in accordance with the thermostat of each room, which **maintains the desired comfort temperature**.
- → Each zone has an **independent remote control** equipped with the “I Feel” system, used to control the ambient temperature and the on/off switch.
- → **Invisible** air conditioning and heating solution for the whole house.
- → **Low cost** system (1 single indoor unit).

SIMULATION FOR AN INSTALLATION IN 4 ZONES WITH 5 OUTPUTS / WELLZONE 4V-5S



It’s easy to place an order:
1 single code for the complete kit of your choice!

CONTENTS OF A COMPLETE WELLZONE KIT

Supply air and return plenums + Servomotors

Diffusion and return grilles

Ducts

Control system gateway

Thermostats

Option 1: Your all inclusive solution

Reference	Description	Compatibility	Part number
1 WELLZONE 3V	Check up to 3 zones	DDM 12-24	7ACEL1805
2 WELLZONE 4V	Check up to 4 zones	DDM 12-24	7ACEL1806
3 WELLZONE 4V-5S	Check up to 4 zones with 5 outputs	DDM 24-60	7ACEL1807
4 WELLZONE 5V	Check up to 5 zones	DDM 24-60	7ACEL1808
5 WELLZONE 6V	Check up to 6 zones	DDM 24-60	7ACEL1809

	1 WELLZONE 3V	2 WELLZONE 4V	3 WELLZONE 4V-5S	4 WELLZONE 5V	5 WELLZONE 6V
Description	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**
Supply air plenum	1	1	1	1	1
Thermostat	3	4	4	5	6
Control system gateway	1	1	1	1	1
Servomotors	3	4	5	5	6
Return plenum	1	1	1	1	1
400x150 grille	1	2	2	2	3
250/200 reducer	-	-	2	2	1
250/160 reducer	-	-	-	-	3
400x150 plenum	1	2	2	2	3
300x150 grille	2	2	3	3	3
300x150 plenum	2	2	3	3	3
600x400 return grille	1	1	2	2	2
600x400 return plenum	1	1	2	2	2
10-m duct Ø160	2	2	3	3	3
10 m duct Ø200	2	3	4	4	5
10 m duct Ø250	1	1	2	2	2

Option 2: Create your Wellzone

Adjust according to your needs by selecting the Wellzone pack of your choice (see table below).

The most economical solution

CONTENTS OF A CONTROL SYSTEM PACK

1

Supply air plenum + Servomotors

2

Control system gateway

3

Thermostats

Reference	Description	Compatibility	Part number
PACK WZ 3V	1 x 1 / 2 x 1 / 3 x 3	DDM 12-24	7ACEL1810
PACK WZ 4V	1 x 1 / 2 x 1 / 3 x 4	DDM 12-24	7ACEL1811
PACK WZ 4V-5S	1 x 1 / 2 x 1 / 3 x 4	DDM 24-60	7ACEL1812
PACK WZ 5V	1 x 1 / 2 x 1 / 3 x 5	DDM 24-60	7ACEL1813
PACK WZ 6V	1 x 1 / 2 x 1 / 3 x 6	DDM 24-60	7ACEL1814
PLENUM 3S 1100 DDM 12-24	Return plenum	DDM 12-24	7ACEL1822
PLENUM 4S 1050 DDM 12-24	Return plenum	DDM 12-24	7ACEL1823
PLENUM 6S 1500 DDM 12-60	Return plenum	DDM 24-60	7ACEL1824

Fixed speed range

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7	36 10	48 12.5	60 16
HIGH WALL Best seller	HHF	R410A	38		●	●	●	●			
FLOOR-CEILING Large scope air	FFM	R410A	40				●	●	●	●	●
CASSETTE Twin system	CFM	R410A	42			●	●	●	●	●	
DUCTED Designed to fit into tight false ceiling	DFM	R410A	44				●	●	●	●	●
FLOOR STANDING Large volume rooms solution	SFM	R410A	46							●	

→ The economic solution
for large volume rooms

R410A

Fixed speed
Cooling & heating

HHF
HIGH WALL

Tested up to 55 °C ambient temperature

PRODUCTS

- RC08C remote control included
- “I Feel” comfort
- Discreet digital display
- Large distribution angle
- Golden Fin protection on the exchanger

FEATURES

TECHNOLOGY:

GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

NANO PHOTOCATALYTIC FILTER

AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL

NIGHT MODE

REFRIGERANT LEAKAGE DETECT

PROGRAMMABLE TIMER

AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT

SELF DIAGNOSTIC

LEFT/RIGHT DRAIN CONNEXION

TECHNICIAN TEST MODE

THE ⊕ «SUSTAINABLE DEVELOPMENT»

→ High energy class A
→ Energy savings, setpoint limits

THE ⊕ «USER»

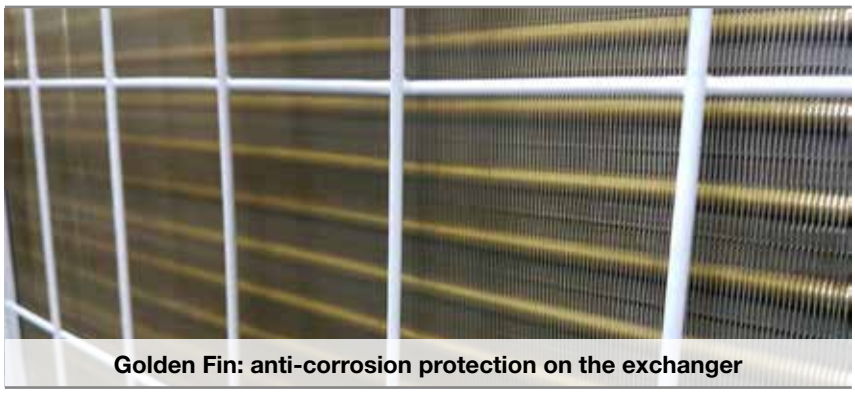
→ User comfort (“I Feel”, WiFi as option)
→ Photocatalytic nanometric filtration for optimum air quality

THE ⊕ «INSTALLER»

→ Installer mode on remote control

THE ⊕ «TECHNOLOGY»

→ High corrosion resistance with the Golden Fin
→ Refrigerant leak detection
→ Adapted to varying voltages (184-265 V) for improved reliability



Golden Fin: anti-corrosion protection on the exchanger

OPTIONS

Accessory	Part number	Photo	Function
AirNet WiFi Module	7ACEL1744		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.

HHF TECHNICAL DATA

Indoor units		AWSI-HHF009-N11	AWSI-HHF012-N11	AWSI-HHF018-N11	AWSI-HHF024-N11
Outdoor units		**AWAU-YGF009-H11**	**AWAU-YGF012-H11**	**AWAU-YGF018-H11**	**AWAU-YGF024-H11**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**
COOLING					
Rated power	**kW**	**2.67**	**3.6**	**5.14**	**6.50**
Rated power input	kW	0.82	1.10	1.60	2.03
EER/Energy label		3.31/A	3.21/A	3.21/A	3.21/A
Operating limits	°C	18°/55° Dry bulb*			
HEATING					
Rated power	**kW**	**2.70**	**3.72**	**5.25**	**6.99**
Rated power input	kW	0.75	1.02	1.46	2.00
COP/Energy label		3.61/A	3.61/A	3.61/A	3.51/B
Operating limits	°C	-7°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	32/42/43	31/35/42	34/39/45	39/44/48
Dehumidification	l/h	0.9	1.2	1.7	2.2
Airflow (LS/MS/HS)	m³/h	311/392/450	324/401/506	556/685/850	730/890/1000
Dimensions (WxHxD)	mm	715x194x285	805x194x285	957x213x302	1040x220x327
Weight	kg	8	8	11	13
Part number		**7SP023146**	**7SP023147**	**7SP023148**	**7SP023149**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	57	56	62	62
Airflow	m³/h	2040	2050	2009	2635
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	700x275x550	770x300x555	770x300x555	845x363x702
Weight	kg	27	32	38	54
Part number		**7SP063057**	**7SP063058**	**7SP063059**	**7SP063060**
POWER SUPPLY					
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	4x1.5
PIPE LINE					
Suction pipe diameter	inches	3/8”	1/2”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Max. length	m	25	20	20	25
Max. height	m	10	8	8	10
Refrigerant / GWP		**R410A / 2088**	**R410A / 2088**	**R410A / 2088**	**R410A / 2088**
Refrigerant charge	kg	0.64	0.76	1.2	2.1
Charge (>5 m)	g	15	15	15	30

* Size 9: operation until 50°C.

COMBINATIONS

Indoor unit	Compatible with outdoor unit
High wall	**Monosplit**
HHF 9 à 24	YGF

FFM
FLOOR-CEILING

PRODUCTS

- RC08C remote control included
- Alarm output and dry contact
- Long air supply distance up to 11 m
- G1 filter included
- 4D airflow

THE ⊕ «USER»
→ Choice of installation options: wall or ceiling-mounted

THE ⊕ «INSTALLER»
→ Parameters can be read on the indoor unit

THE ⊕ «TECHNOLOGY»
→ High corrosion resistance with the Golden Fin

FEATURES

TECHNOLOGY:

GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER · FRESH AIR

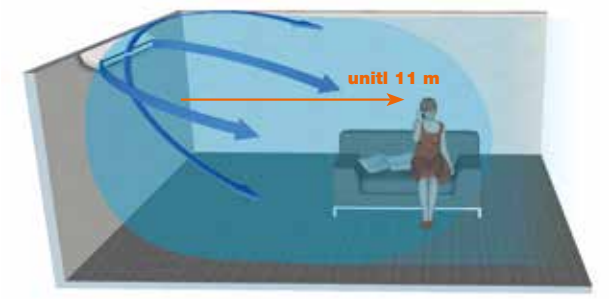
USER FUNCTIONS:

I FEEL · NIGHT MODE · 24 H PROGRAMMABLE TIMER · RESTART AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

88 ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNEXION · TEST MODE TECHNICIAN TEST MODE

4 DIMENSIONAL AIRFLOW FOR MAXIMUM COMFORT



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer ON/OFF, temperature and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, ModBus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

FFM TECHNICAL DATA

Indoor unit		AW-FFM018-N11	AW-FFM024-N11	AW-FFM036-N11	AW-FFM036T-N11	AW-FFM048-N11	AW-FFM060-N11
Outdoor unit		**AW-YFFA018-H11**	**AW-YFFA024-H11**	**AW-YFFA036-H11**	**AW-YFFA036-H13**	**AW-YFFM048-H13**	**AW-YFFA060-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**	**Three phase**
COOLING							
Rated power	**kW**	**5.81**	**6.89**	**9.98**	**10.48**	**13.01**	**14.54**
Rated power input	kW	2.11	2.63	3.7	3.6	5.06	6.4
SEER/Energy label		2.57/E	2.67/D	2.85/C	2.93/C	2.78/D	2.52/E
Operating limits	°C	18°/46° Dry bulb					
HEATING							
Rated power	**kW**	**5.84**	**7.92**	**11.53**	**11.51**	**13.74**	**16.67**
Rated power input	kW	1.73	2.45	3.85	3.65	5.06	5.8
SCOP/Energy label (average climate)		3.22/C	3.11/D	2.74/E	2.89/D	3.01/D	3.03/D
Operating limits	°C	-7°/24° Dry bulb					
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	43/48/53	44/48/54	46/49/54	47/50/54	44/48/53	46/49/55
Sound power level	dB(A)	42/46/51	43/48/53	45/49/54	45/48/53	45/49/54	48/51/55
Airflow (LS/MS/HS)	m³/h	775/932/1152	867/1038/1251	1302/1533/1821	1331/1536/1819	1611	1636/1846/2267
Dehumidification	l/h	2	3	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	770x555x300	845x702x363	946x810x410	946x810x410	900x1170x350	900x1170x350
Package dimensions (WxHxD)	mm	900x625x348	965x775x395	1090x885x500	1090x875x500	1032x1307x443	1032x1307x443
Net weight/Gross weight	kg	36.5/39.7	52.7/56.1	79.5/85.3	74.4/78.9	93.2/105	97/108
Part number		**7SP012268**	**7SP012269**	**7SP012273**	**7SP012270**	**7SP012271**	**7SP012272**
OUTDOOR UNIT							
Sound pressure level to 1.4 m	dB(A)	60	59.8	62.8	63	63	62.4
Airflow	m³/h	2000	2800	5000	3800	6000	6000
Compressor type		Rotary	Rotary	Scroll	Rotary	Scroll	Scroll
Outline dimensions (WxHxD)	mm	770x555x300	845x702x363	946x810x410	946x810x410	900x1170x350	900x1170x350
Package dimensions (WxHxD)	mm	900x625x348	965x775x395	1090x885x500	1090x875x500	1032x1307x443	1032x1307x443
Net weight/Gross weight	kg	36.5/39.7	52.7/56.1	79.5/85.3	74.4/78.9	93.2/105	97/108
Part number		**7SP063066**	**7SP063067**	**7SP063072**	**7SP063069**	**7SP063073**	**7SP063071**
POWER SUPPLY							
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/N/400V/50Hz	3P/N/400V/50Hz	3P/N/400V/50Hz
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x2.5	3x2.5	3x4	5x2.5	5x2.5	5x2.5
Fuse rating am (D curve)	A	16	32	50	25	32	32
Electrical connections	mm²	3x2.5 + 2x1 + 2x0.75	3x2.5 + 2x1 + 2x0.2	3x1.5 + 3x1 + 2x0.2	3x1.5 + 3x1	5x2.5 + 3x1	5x2.5+ 3x1
PIPE LINE							
Suction pipe diameter	inches	1/2”	5/8”	3/4”	3/4”	3/4”	3/4”
Liquid pipe diameter	inches	1/4”	3/8”	3/8”	3/8”	3/8”	3/8”
Max. length	m	25	25	30	30	50	50
Max. height	m	15	15	20	20	30	30
Refrigerant / GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	1.50	1.80	2.50	2.85	3.25	3.20

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor-ceiling	**Monosplit**
FFM 18-24-36	YFFA
FFM 48-60	YFFA

CFM
CASSETTE

CFM 012-018

600x600 and 900x900

CFM 024-048

PRODUCTS

- RC08C remote control included
- Design compact
- Alarm output and dry contact
- Integrated condensate pump
- Soufflage round flow 360°"
- G1 filter included
- Auxiliary air supply and fresh air supply

FEATURES

TECHNOLOGY:

MULTIFLOW 360° · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER · FRESH AIR

USER FUNCTIONS:

I FEEL · NIGHT MODE · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · INTEGRATED WATER PUMP · ALARM OUTPUT · DRY CONTACT ON/OFF · TECHNICIAN TEST MODE

THE ⊕ «USER»

→ An attractive solution
→ Homogeneous airflow distribution in the room for greater comfort

THE ⊕ «INSTALLER»

→ Suitable for rooms with limited space
→ Parameters can be read on the indoor unit

THE ⊕ «TECHNOLOGY»

→ High corrosion resistance with the Golden Fin

360° AIRFOLW WITH ROUND CORNERS

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer ON/OFF, temperature and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, ModBus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

CFM TECHNICAL DATA

Indoor unit		AW-CFM012-N11	AW-CFM018-N11	AW-CFM024-N11	AW-CFM036-N11	AW-CFM036T-N11	AW-CFM048-N11
Outdoor unit		**AW-YFFA012-H11**	**AW-YFFA018-H11**	**AW-YFFA024-H11**	**AW-YFFA036-H11**	**AW-YFFA036-H13**	**AW-YFFA048-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**
COOLING							
Rated power	**kW**	**3.62**	**5.61**	**6.96**	**9.84**	**10.44**	**13.15**
Rated power input	kW	1.10	1.98	2.60	3.85	3.60	5.19
EER/Energy label		3.21/A	2.71/D	2.71/D	2.74/D	2.93/C	2.50/E
Operating limits	°C	18°/46° Dry bulb					
HEATING							
Rated power	**kW**	**3.72**	**5.63**	**7.69**	**11.20**	**11.63**	**14.06**
Rated power input	kW	1.25	1.72	2.40	3.85	3.65	4.76
COP/Energy label		3.05/E	3.24/C	3.18/D	2.74/E	2.89/D	2.81/D
Operating limits	°C	-7°/24° Dry bulb					
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34/36/40	36/41/48	41/45/50	45/48/52	45/48/52	44/48/53
Sound power level	dB(A)	34/38/42	34/40/46	39/43/48	44/48/51	45/48/51	46/51/58
Airflow (LS/MS/HS)	m³/h	413/504/307	513/625/801	787/945/1092	1356/1547/1771	1297/1494/1731	1305/1566/1990
Dehumidification	l/h	1.5	2.0	3.0	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	840x205x840	840x245x840	840x245x840	840x245x840
Package dimensions (WxHxD)	mm	655x290x655	655x290x655	900x225x900	900x265x900	900x265x900	900x265x900
Net weight/Gross weight	kg	14.5/17.5	16.5/19	22.1/25.5	25/28.7	24.9/28.8	27/32
Part number		**7SP042267**	**7SP042268**	**7SP042269**	**7SP042270**	**7SP042272**	**7SP042271**
FRAME							
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		**7ACVF0566**	**7ACVF0566**	**7ACVF0564**	**7ACVF0564**	**7ACVF0564**	**7ACVF0564**
OUTDOOR UNIT							
Sound pressure level to 1.4 m	dB(A)	56	60	59.8	62.8	63.0	63
Airflow	m³/h	1800	2000	2800	5000	3800	6000
Compressor type		Rotary	Rotary	Rotary	Scroll	Rotary	Scroll
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	845x702x363	946x810x410	946x810x410	900x1170x350
Package dimensions (WxHxD)	mm	900x595x345	900x625x348	965x775x395	1090x885x500	1090x875x500	1032x1307x443
Net weight/Gross weight	kg	32/34.5	36.5/39.7	52.7/56.1	79.5/85.3	74.4/78.9	97/107
Part number		**7SP063065**	**7SP063066**	**7SP063067**	**7SP063072**	**7SP063069**	**7SP063070**
POWER SUPPLY							
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/N/400V/50Hz	3P/N/400V/50Hz
Power supply side		Indoor	Indoor	Indoor	Outdoor	Outdoor	Indoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4	5x2.5	5x2.5
Fuse rating am (D curve)	A	16	16	32	50	25	32
Electrical connections	mm²	3x2.5 + 2x0.75	3x2.5 + 2x1 + 2x0.75	3x2.5 + 2x1 + 2x0.2	3x1.5 + 3x1 + 2x0.2	3x1.5 + 3x1	5x2.5 + 3x1
PIPE LINE							
Suction pipe diameter	inches	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m	15	25	25	30	30	50
Max. height	m	8	15	15	20	20	30
Refrigerant / GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	1.00	1.50	1.80	2.50	2.85	3.30

COMBINATIONS

Indoor unit Cassette	Compatible with outdoor unit Monosplit
CFM 12 	YFFA
CFM 18-24-36 	YFFA
CFM 48 	YFFA

R410A

Fixed speed
Cooling & heating

DFM
DUCTED MEDIUM STATIC PRESSURE

PRODUCTS

- RCW08 remote control included
- Low height (210 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- G1 filter included
- Constant flow control

FEATURES

TECHNOLOGY:

GOLDEN FIN TREATMENT

USER FUNCTIONS:

I FEEL — NIGHT MODE — PROGRAMMABLE TIMER — AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT — SELF DIAGNOSTIC — INTEGRATED WATER PUMP — LEFT/RIGHT DRAIN CONNECTION

ALARM OUTPUT — DRY CONTACT ON/OFF

THE + «USER»
→ Invisible: blends into all types of interiors

THE + «INSTALLER»
→ Adapted to all types of ducts

THE + «TECHNOLOGY»
→ Golden Fin (high corrosion resistance)
→ Self-adjusting static pressure

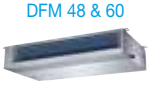
OPTIONS

Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, “Follow me” option, swing, technician mode, heating only mode.
Wired single control RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, ModBus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

DFM TECHNICAL DATA

Indoor unit		AW-DFM018-N11	AW-DFM024-N11	AW-DFM036-N11	AW-DFM036T-N11	AW-DFM048-N11	AW-DFM060-N11
Outdoor unit		**AW-YFFA018-H11**	**AW-YFFA024-H11**	**AW-YFFA036-H11**	**AW-YFFA036-H13**	**AW-YFFA048-H13**	**AW-YFFA060-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**	**Three phase**
COOLING							
Rated power	**kW**	**5,58**	**7,98**	**10,54**	**10,82**	**13,73**	**15,12**
Rated power input	kW	2,2	2,87	3,9	3,65	5,35	6,36
EER/Energy label		2,40/E	2,45/E	2,71/D	2,89/C	2,63/D	2,53/E
Operating limits	°C	18°/46° Dry bulb					
HEATING							
Rated power	**kW**	**5,88**	**8,24**	**11,8**	**12,16**	**16,39**	**17,71**
Rated power input	kW	1,75	2,3	3,5	3,3	4,82	5,54
COP/Energy label		3,18/E	3,31/C	3,27/C	3,46/B	3,35/C	3,17/D
Operating limits	°C	-7°/24° Dry bulb					
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	40/42/44	38/41/44	39/43/49	40/43/49	41/45/48,5	40/46/50
Sound power level	dB(A)	39/42/44	37/40/43	40/44/48	38/40/47	41/45/48	40/46/50
Airflow (LS/MS/HS)	m³/h	730/813/978	964/1177/1358	1160/1383/1836	1149/1372/1804	1490/1850/2100	1490/1850/2400
External static pressure range	Pa	25	25	37	37	50	50
Dehumidification	l/h	2	3	3,8	3,8	4,5	5,5
Outline dimensions (WxHxD)	mm	770x555x300	845x702x363	946x810x410	946x810x410	900x1170x350	900x1170x350
Package dimensions (WxHxD)	mm	900x625x348	965x775x395	1090x885x500	1090x875x500	1032x1307x443	1032x1307x443
Net weight/Gross weight	kg	36,5/39,7	52,7/56,1	79,5/85,3	74,4/78,9	97/107	97/108
Part number		**7SP063066**	**7SP063067**	**7SP063072**	**7SP063069**	**7SP063070**	**7SP063071**
OUTDOOR UNIT							
Sound pressure level to 1.4 m	dB(A)	60	59,8	62,8	63	63	62,4
Airflow	m³/h	2000	2800	5000	3800	6000	6000
Compressor type		Rotary	Rotary	Scroll	Rotary	Scroll	Scroll
Outline dimensions (WxHxD)	mm	770x555x300	845x702x363	946x810x410	946x810x410	900x1170x350	900x1170x350
Package dimensions (WxHxD)	mm	900x625x348	965x775x395	1090x885x500	1090x875x500	1032x1307x443	1032x1307x443
Net weight/Gross weight	kg	36.5/39.7	52.7/56.1	79.5/85.3	74.4/78.9	97/107	97/108
Part number		**7SP063066**	**7SP063067**	**7SP063072**	**7SP063069**	**7SP063070**	**7SP063071**
POWER SUPPLY							
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/N/400V/50Hz	3P/N/400V/50Hz	3P/N/400V/50Hz
Power supply side		Indoor	Indoor	Outdoor	Outdoor	Indoor	Indoor
Power cable section	mm²	3x2,5	3x2,5	3x4	5x2,5	5x2,5	5x2,5
Fuse rating am (D curve)	A	16	32	50	25	32	32
Electrical connections	mm²	3x2,5 + 2x1 + 2x0,75	3x2,5 + 2x1 + 2x0,2	3x1,5+ 3x1 + 2x0,2	3x1,5 + 3x1	5x2,5 + 3x1	5x2,5+ 3x1
PIPE LINE							
Suction pipe diameter	inches	1/2”	5/8”	3/4”	3/4”	3/4”	3/4”
Liquid pipe diameter	inches	1/4”	3/8”	3/8”	3/8”	3/8”	3/8”
Max. length	m	25	25	30	30	50	50
Max. height	m	15	15	20	20	30	30
Refrigerant / GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	1,50	1,80	2,50	2,85	3,30	3,20
Additional charge	g/m	15	15	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Ducted	**Monosplit**
DFM 18 to 36	YFFA
DFM 48 & 60 	YFFA

R410A

Fixed speed
Cooling & heating

SFM
FLOOR STANDING

PRODUCTS

- RC08C remote control included
- Unique capacity
- Three phase electric power supply

FEATURES

TECHNOLOGY:

GOLDEN FIN TREATMENT

USER FUNCTIONS:

I FEEL — NIGHT MODE — 24 H PROGRAMMABLE TIMER

RESTART AUTO RESTART (MEMORY) — REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

88 ERROR CODE VIA INDOOR UNIT — SELF DIAGNOSTIC — AUXILIARY HEATER

TEST MODE TECHNICIAN TEST MODE

THE ⊕ «USER»

→ A solution adapted to large premises and communal areas
→ Appliance controlled remotely using an infrared remote and/or directly on the unit

THE ⊕ «INSTALLER»

→ Installation from ground level to facilitate handling during installation

THE ⊕ «TECHNOLOGY»

→ Rapid cooling, thanks to effective air diffusion

SFM TECHNICAL DATA

Indoor unit		AW-SFM048-N13
Outdoor unit		**AW-YSFM048-H13**
Phase		**Three phase**
COOLING		
Capacity	**kW**	**12.57**
Input	kW	5.30
EER/Label énergétique		2.64/D
Operating limits	°C	17°/46° Dry bulb
HEATING		
Rated power (+ electrical heater)	**kW**	**13.95 (+3.75)**
Input	kW	5.40 (+3.75)
COP/Label énergétique		2.82/D
Operating limits	°C	-7°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1.5 m (LS/HS)	dB(A)	50/55
Airflow (LS/HS)	m³/h	1562/1852
Outline dimensions (WxHxD)	mm	550x1800x350
Package dimensions (WxHxD)	mm	685x1910x480
Net weight/Gross weight	kg	50/63
Part number		**7SP011089**
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	62
Compressor type		Scroll
Outline dimensions (WxHxD)	mm	900x1170x350
Package dimensions (WxHxD)	mm	1032x1307x443
Net weight/Gross weight	kg	97/107
Part number		**7SP062859**
POWER SUPPLY		
Phase/Tension/Frequency		3P/380-415V/50Hz
Power supply side		Outdoor
Power cable section	mm²	2.5x5
Fuse rating am (D curve)	A	25
Electrical connections	mm²	1.5x5+0.75x3
PIPE LINE		
Suction pipe diameter	inches	3/4”
Liquid pipe diameter	inches	1/2”
Max. length	m	50
Max. height	m	30
Refrigerant / GWP		**R410A/2088**
Charge (5m)	kg	3.3

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor standing	**Monosplit**
SFM	YSFM

Light Commercial range

	MODEL NAME		Fluid type	Page	kW	12.5	17	18.5	20	25	30	40
VERTICAL AIR CABINET	VERTICAL CABINET **High efficiency**	XAM	R410A	50		●	●	●			●	
	AIR CONDENSER **Independent unit**	YXAM	R410A	51		●			●	●		●
VERTICAL WATER CABINET	VERTICAL CABINET **High efficiency**	XOM	R410A	52		●	●		●			●

→ **Industrial** application
→ **Wide power range**
→ **High reliability**

R410A

DC Inverter
Cooling only

XAM
VERTICAL AIR CABINET

PRODUCTS

- Remote control included
- Powerful ventilation, DC controller, variable speed indoor and outdoor electric fans and electronic expansion valve
- Integrated all-season kit (-20 to +55 °C)
- Installation of fan-condensers for vertical or horizontal operation
- ModBus, Bacnet or Lonworks communication as an option

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

CRANKCASE HEATER

AIR QUALITY/CLEAN:

AIR FILTER

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ ErP label
→ High efficiency

THE ⊕ «USER»
→ User-friendly remote control

THE ⊕ «INSTALLER»
→ Dry contact, alarm output
→ Remote control with reading of temperature and humidity sensors, reading of refrigerant pressures, adjustment of available pressure
→ Integrated supply air plenum

THE ⊕ «TECHNOLOGY»
→ EC ventilation, electronic expansion valve

XAM TECHNICAL DATA

Indoor unit		AW-XAM040-N13	AW-XAM056-N13	AW-XAM068-N13	AW-XAM112-N13
Code		7XU123000	7XU123002	7XU123004	7XU123006
Phase		Three phase	Three phase	Three phase	Three phase
COOLING					
Rated power	**kW**	**11.50**	**16.00**	**18.30**	**30.50**
Sensible capacity	kW	9.20	13.10	13.90	26.10
Rated power input	kW	2.90	4.50	4.80	8.50
EER		3.90	3.60	3.80	3.60
Operating limits		-20°/55°C			
INDOOR UNIT					
Sound pressure	dB(A)	55	59	61	60
Number of compressor	nb	1	2		
Type of compressor		Scroll			
Cooling circuit	nb	1			
Rated airflow	m³/h	2800	3800	4200	7000
External statique pressure	Pa	460	365	240	450
Outline dimensions (WxHxD)	mm	850x1705x510	1050x1705x510	1050x1705x510	1050x2000x780
Weight	kg	173	200	200	310
POWER SUPPLY (WITHOUT NEUTRAL)					
Phase/Voltage/Frequency		3P/400V/50Hz			
PIPE LINE					
Suction pipe diameter	inches	1/2"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
Refrigerant/GWP		**R410A/2088**			
Charge (to do on site)	kg	1.3	1.7	1.9	3.7
Additional charge	g/m	110	170	170	170
ACCESSORIES					
ModBus module	**Code**	**7ACEL1765**			
Bacnet module	**Code**	**7ACEL1766**			
LonWorks module	**Code**	**7ACEL1767**			

YXAM
AIR CONDENSER

Airwell
Just feel well

R410A

YXAM TECHNICAL DATA

Outdoor unit		AW-YXAM040-C11	AW-YXAM056-C11	AW-YXAM068-C11	AW-YXAM112-C11
Code		**7XU131100**	**7XU131101**	**7XU131102**	**7XU131103**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**
OUTDOOR UNIT					
Dissipated power	kW	13.6	21.2	24.9	39.9
Power input	kW	0.15	0.45	0.45	0.6
Pression acoustique	dB(A)	55	59	57	61
Débit d'air nominal	m³/h	3250	9136	7740	13340
Outline dimensions (WxHxD)	mm	1180x528x585	1830x528x585	1830x528x585	1883x1170x595
Dimensions vertical installation (WxHxD)	mm	1187x735x592	1837x735x592	1837x735x592	1883x935x1148
Weight	kg	52	75	90	110
POWER SUPPLY					
Phase/Voltage/Frequency		1P/230V/50Hz			
PIPE LINE					
Suction pipe diameter	inches	1/2"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
Refrigerant/GWP		**R410A/2088**			
Charge (to do on site)	kg	1.1	0.9	1.4	2.8

+ PRODUCTS

- Service industry application
- Independent unit

Light Commercial

R410A

DC Inverter
Cooling only

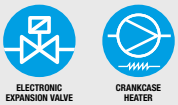
XOM
VERTICAL WATER CABINET

PRODUCTS

- Remote control included
- Powerful ventilation, DC controller, variable speed indoor electric fans and electronic expansion valve
- Modulating water valve
- ModBus, Bacnet or Lonworks communications as an option

FEATURES

TECHNOLOGY:



AIR QUALITY/CLEAN:

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ ErP label
→ High efficiency

THE ⊕ «USER»
→ User-friendly remote control

THE ⊕ «INSTALLER»
→ Dry contact, alarm output
→ Remote control with reading of temperature and humidity sensors, reading of refrigerant pressures, adjustment of available pressure
→ Integrated supply air plenum

THE ⊕ «TECHNOLOGY»
→ EC ventilation, electronic expansion valve

XOM TECHNICAL DATA

Indoor unit		AW-XOM040-N13	AW-XOM056-N13	AW-XOM068-N13	AW-XOM112-N13
Code		7XU123012	7XU123014	7XU123016	7XU123018
Phase		Three phase	Three phase	Three phase	Three phase
COOLING					
Rated power	**kW**	**12.60**	**17.80**	**20.20**	**35.00**
Sensible capacity	kW	10.20	14.00	15.20	29.90
Rated power input	kW	2.30	3.60	3.80	6.41
EER		5.50	4.90	5.30	5.50
SEER		3.6	3.36	3.68	4.58
INDOOR UNIT					
Sound pressure	dB(A)	55	59	61	60
Number of compressor	nb	1			2
Type of compressor		Scroll			
Cooling circuit	nb	1			
Rated airflow	m³/h	2800	3800	4200	7000
External statique pressure	Pa	460	365	240	450
Outline dimensions (WxHxD)	mm	850x1705x510	1050x1705x510	1050x1705x510	1050x2000x780
Weight	kg	178	207	208	310
POWER SUPPLY (WITHOUT NEUTRAL)					
Phase/Voltage/Frequency		3P/400V/50Hz			
PIPE LINE					
Refrigerant/GWP		**R410A/2088**			
Charge	kg	1.7	2.2	2.2	5.5
ACCESSORIES					
ModBus module	**Code**	**7ACEL1765**			
Bacnet module	**Code**	**7ACEL1766**			
LonWorks module	**Code**	**7ACEL1767**			

- **Wide range of power:** from 3 to 72 HP (from 8 to 204 kW)
- **Silent system**
- **Compact solution:** small footprint
- **High performance:** COP until 4.5
- **Certified Eurovent**

VRF range

Why choosing a VRF system?

One system for multiple applications

Shopping centers

Villas

Hostels

Offices

Extrem versatility

- Adaptable to all seasons
- Immediate change mode (heating/cooling)
- Extendable system
- Wide range of indoor units
- Anti-corrosion treatment on demand Blygold®

HIGH WALL HBV

CASSETTE 600x600 CBV

360° CASSETTE CFV

FLOOR-CEILING FAV

DUCTED LOW STATIC PRESSURE DDV

DUCTED MEDIUM STATIC PRESSURE DBV

DUCTED HIGH STATIC PRESSURE DCV

CONSOLE EAV

AHU CONNECTION KIT

Easy installation

- Professional selection software
- Easy setup (piping, electricity, regulation...)
- Ideal solution for refurbishment (easy installation also in inhabited places)

Why choosing an Airwell VRF system?

- → Wide range of power: from 3 to 72 HP (from 8 to 204 kW)
- → Silent system
- → Compact solution: small footprint
- → High performance: COP until 4.5
- → Certified Eurovent

Performant system

USE HIGH EFFICIENCY DC INVERTER SCROLL COMPRESSOR, HIGH EFFICIENCY, LOW NOISE

The Scroll compressor used in the Airwell FlowLogic III range of VRF has been selected for its energy efficiency and high reliability. The Scroll compressor's spiro-orbital rotation mechanism reduces frictional pressure drop and ensures optimum efficiency over the entire frequency range.

HIGH EFFICIENCY DC FAN MOTOR

The speed of wide range DC fan motor can be adjusted from 0 to 1000 tr/min.

Compared to conventional AC motors, a DC fan motor offers greater operating efficiency, especially during low speed rotation. The efficiency could be 90 %.

HEAT EXCHANGER ADOPTS THE SUBCOOLING TECHNOLOGY: HIGH EFFICIENCY

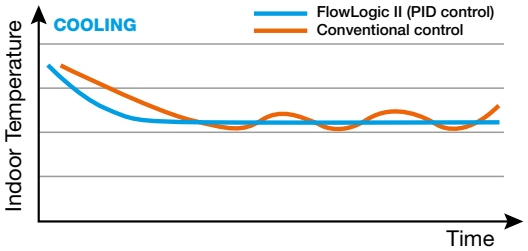
- The system is cooled with little refrigerant.
- Improve subcooling degree of refrigerant.
- Avoid energy loss due to refrigerant flash evaporating when it goes through PMV.
- W-model Ø8 innergrooved tube.
- Hydrophilic aluminium coil fin, it will increase efficiency of heat exchange by 5 %.

Increase the efficiency of system

- → **Increase cooling power by 6 %.**
- → **Reduce refrigerant circulation amounts.**

PRECISE CONTROL

PID control adjusts the output of compressor and the open degree of EEV, balances the indoor refrigerant flow, realizes the linear output, creates a comfortable environment. The temperature can be controlled precisely.



VRF range
Outdoor groups

	MODEL NAME		Fluid type	Page	Capacity (HP)	Cooling power (kW)	Heating power (kW)
MINI FLOWLOGIC II	YCV080		R410A	60	3	8	9.5
	YCV125		R410A	60	4	12.5	14
	YCV150				5	15	17
	YCV180				6	18	20
	YCVFD220		R410A	60	8	22.5	25
	YCVFD280				10	28	31.5
	YCVFD335				12	33.5	37.5
FLOWLOGIC III	YDV280		R410A	62	10	28	31.5
	YDV335				12	33.5	37.5
	YDV400				14	40	45
	YDV450				16	45	50
	YDV504		R410A	62	18	50.4	56.5
	YDV560				20	56	63
	YDV615				22	61.5	69
	YDV680				24	68	73
WATER FLOWLOGIC	YWC220		R410A	72	8	22.4	25.0
	YWC280				10	28	31.5
	YWC335				12	33.5	37.5

VRF range
Indoor units

MODEL NAME			Fluid type	Page
HIGH WALL	HBV		R410A	74
CASSETTE 600X600	CBV		R410A	75
360° CASSETTE 900X900	CFV		R410A	76
FLOOR-CEILING	FAV		R410A	77
DUCTED LOW STATIC PRESSURE	DDV		R410A	78
DUCTED MEDIUM STATIC PRESSURE	DBV		R410A	79
DUCTED HIGH STATIC PRESSURE	DCV		R410A	80
CONSOLE	EAV		R410A	81
AHU CONNECTION KIT				82

Capacity (kBtu/h)	5	7	9	12	16	18	24	28	30	38	48	60	72	96	192
Capacity (HP)	0.5	0.75	1.25	1.5	1.75	2.25	3	3.5	3.75	4.75	6	7	9	12	24
Cooling (kW)	1.5	2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	14	16	22.6	28	56
Heating (kW)	1.7	2.5	3.2	4	5	6.3	8	9	10	12.5	16	18	25	31.5	63
		●	●	●	●	●	●		●						
	●	●	●	●	●										
					●	●	●		●	●	●	●			
			●	●		●	●	●	●	●	●				
		●	●	●	●										
						●	●	●	●	●	●				
						●	●		●	●	●		●	●	
			●	●		●									
											●		●	●	●

MINI FLOWLOGIC II
2-PIPES - FRONT DISCHARGE

Available in tropicalised version

PRODUCTS

- DC Inverter rotary compressor
- DC Inverter electric fan
- Integrated machine interface (HMI)
- Reduced dimension

RWV06 (optional)

RWV08 (optional)

FEATURES

TECHNOLOGY:

DC INVERTER

BLUE FIN TREATMENT

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

BMS COMPATIBLE

SERVICE MONITOR TOOL

CERTIFICATION

AIRWELL participates in the ECP programme for AC1.
Check ongoing validity of certificate:
www.eurovent-certification.com

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

* models so marked are not Eurovent certified

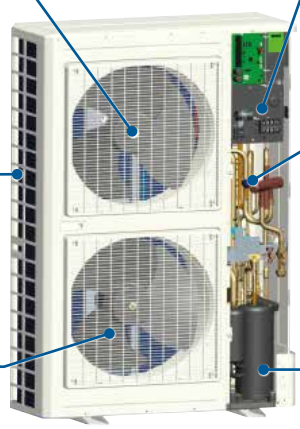
THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ Low consumption and optimised regulation for greater energy savings

THE ⊕ «USER»
→ Mode lock
→ Centralised management

THE ⊕ «INSTALLER»
→ Up to 300 m of refrigeration network and 50 m of height difference.
→ Access to all parameters *via* the HMI for easier maintenance

THE ⊕ «TECHNOLOGY»
→ Up to 16 indoor units, performance certified by Eurovent* (8,10,12 HP)

10-12 HP



High efficiency DC fan motor: DC fan motor with stepless inverter control, efficiency increased by 45% compared with AC motor and power input.

High efficiency condenser: Ø8 inner grooved tube; hydrophilic corrugated fissure fin.

Large diameter fan: 570 mm big diameter axial flow fan; zigzag design, reduce airflow disturbance, air volume is bigger, the noise is lower.

Vector inverter control: 180 degrees sine wave vector control, 64-bit operation; high precision control, to achieve high efficiency and lower noise.

Double pressure sensor: equipped with high and low voltage; pressure double sensors; accurate pressure control, the system runs more smoothly, and is more energy efficient.

Twin rotary DCI compressor: high chamber DC Inverter twin rotary compressor; small vibration, low noise, high energy efficiency.

MINI FLOWLOGIC II TECHNICAL DATA

Outdoor unit		AWAU-YCV080-H11*	AWAU-YCV125-H11*	AWAU-YCV150-H11*	AWAU-YCV150-H13*	AWAU-YCV180-H13*	AWAU-YCVFD220-H13	AWAU-YCVFD280-H13	AWAU-YCVFD335-H13
Phase		Single phase	Single phase	Single phase	Three phase	Three phase	Three phase	Three phase	Three phase
		7SP14H045	7SP14H041	7SP14H042	7SP14H044	7SP14H043	7SP14H010	7SP14H011	7SP14H012
Part number									
RATED POWER									
Cooling	**kW**	**8**	**12.5**	**15**	**15**	**18**	**22.6**	**28**	**33.5**
EER		3.64	3.79	3.77	3.77	3.47	3.9	3.5	3.44
Heating	**kW**	**9.5**	**14**	**17**	**17**	**20**	**25**	**31.5**	**37.5**
COP		4.31	4.12	4.35	4.35	3.9	4.6	4.2	3.90
ELECTRICAL PARAMETERS									
Phase/Voltage/Frequency		1P/220-240/50Hz/N	1P/220-240/50-60Hz/N		3P/400V/50Hz/N				
Cooling rated power input	kW	2.20	3.30	3.98	3.98	5.19	5.79	8	9.75
Heating rated power input	kW	2.20	3.40	3.91	3.91	5.13	5.43	7.5	9.62
Max. current	A	18.9	34.1	34.1	11.2	11.6	17.2	23.8	26
PERFORMANCE									
Airflow (HS)	m³/h	3500	6500	6500	6500	6500	10000	10000	10000
Sound pressure level (HS)	dB(A)	54	57	58	58	59	55	58	60
Sound power level (HS)	dB(A)	65	68	69	69	70	66	69	71
INSTALLATION									
External dimensions (WxHxD)	mm	960x830x340	960x1250x340	960x1250x340	960x1250x340	960x1250x340	1050x1636x400	1050x1636x400	1050x1636x400
Shipping dimensions (WxHxD)	mm	1095x945x410	1095x1400x410	1095x1400x410	1095x1400x410	1095x1400x410	1150x1790x510	1150x1790x510	1150x1795x510
Net weight/Gross weight	kg	70/76	99/107	99/107	99/107	99/107	168/183	168/183	168/183
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
Suction pipe diameter	inches	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	1"
Max. pipe length	m	100	150	150	150	150	175/150	300	300
Max. height between indoor and oudoor units*	m	30	30	30	30	30	50	50	50
Maximum indoor units connectable	quantity	4	8	8	8	9	13	16	16
OPERATING LIMITS									
Cooling	°C	10°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/43°	-5°/43°	-5°/43°
Heating	°C	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°
PIPE LINE									
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (0 m)	kg	2.4	3.8	3.8	3.8	3.8	6.1	7.4	7.4

ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total indoor units power
	7ACFHH002	TAU506		Refrigerant gathering	33,5 kW ≤ Total indoor units power < 50.6 kW
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/ RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

Flow Logic III

Available in tropicalised version

PRODUCTS

- DC Inverter scroll compressor
- Wide capacity range
- Wide temperature range (-23/+50 °C)
- Very small footprint: 0.97 m²

RWV06 (optional)

RWV08 (optional)

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER

BLUE FIN TREATMENT — BLUE FIN TREATMENT

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

BMS — BMS COMPATIBLE

SERVICE MONITOR TOOL

CERTIFICATION

AIRWELL participates in the ECP programme for AC1.
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EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

THE ⊕ «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimised regulation for greater energy savings

THE ⊕ «USER»

→ Capacity range from 8 to 72 HP
→ Large choice of indoor units

THE ⊕ «INSTALLER»

→ Up to 1000 m of refrigeration network and 110 m of height difference
→ Access to all parameters *via* the HMI for easier commissioning and maintenance

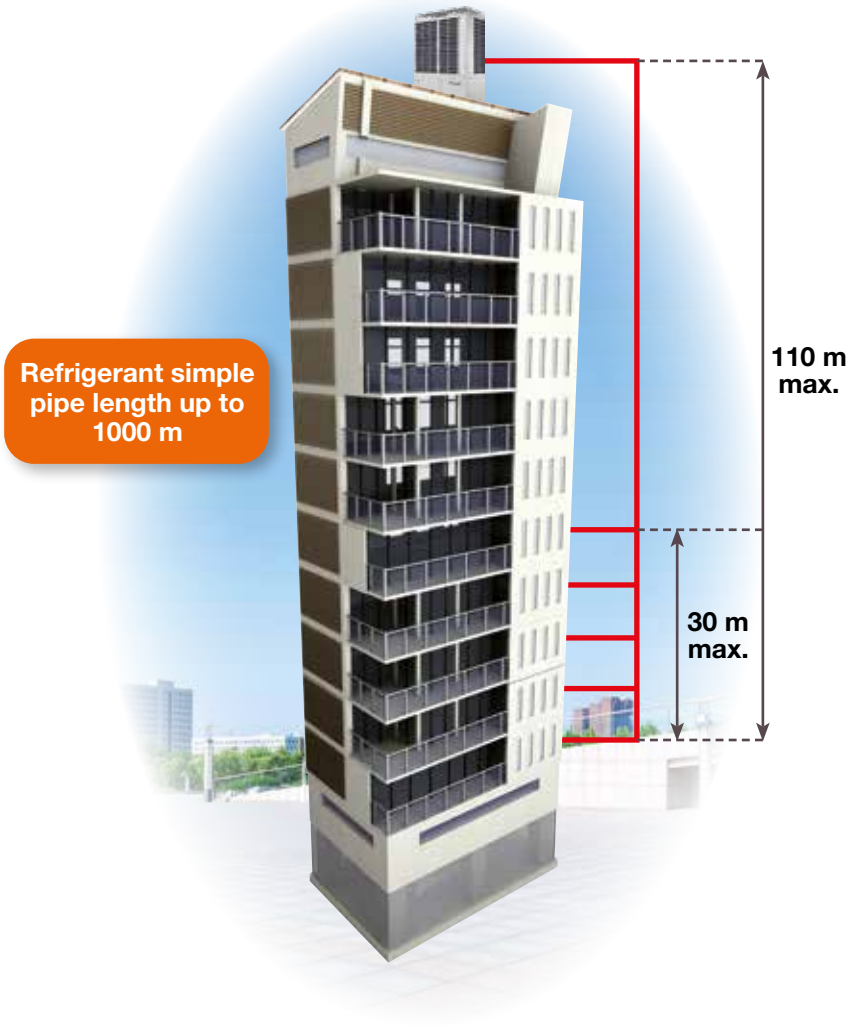
THE ⊕ «TECHNOLOGY»

→ Anti-corrosion treatment
→ Up to 64 indoor units
→ Performance certified by Eurovent

ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Gather pipe kit for 2 outdoor groups	7ACFHH013	TBS20		Refrigerant gathering	For 2 outdoor groups
Gather pipe kit for 3 outdoor groups	7ACFHH014	TBS30		Refrigerant gathering	For 3 outdoor groups
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total IDU power
	7ACFHH002	TAU506		Refrigerant gathering	33.5 kW ≤ Total IDU power < 50.6 kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total IDU power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total IDU power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total IDU power
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	

HIGH MODULARITY: LONG PIPE LENGTH, HIGH HEIGHT DROP



- **Floor area optimized for all the product range**
  (same foot print for all modules: 0.97 m²)
  → One of the smallest footprint on market

→ 0.97 m²

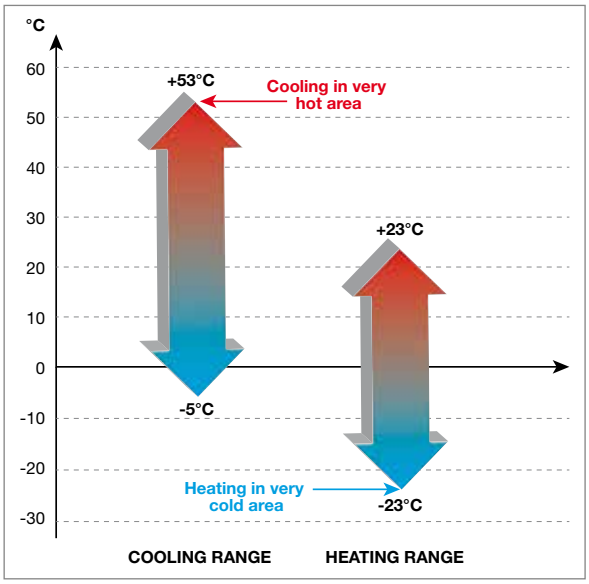
- **Full DC Inverter**
  → 2 x Full DC Inverter

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

High static pressure outdoor unit: 82 Pa, long air duct

Hidden solution: installation of outdoor unit in a technical room

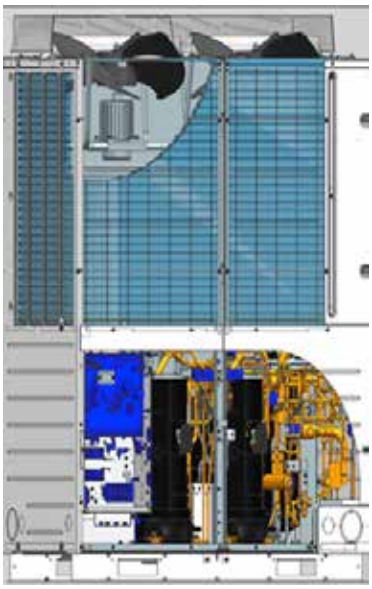
Wide operation range



→ **Specific design:**
- Double EEV
- Two-piece condenser
- Independent electrical box

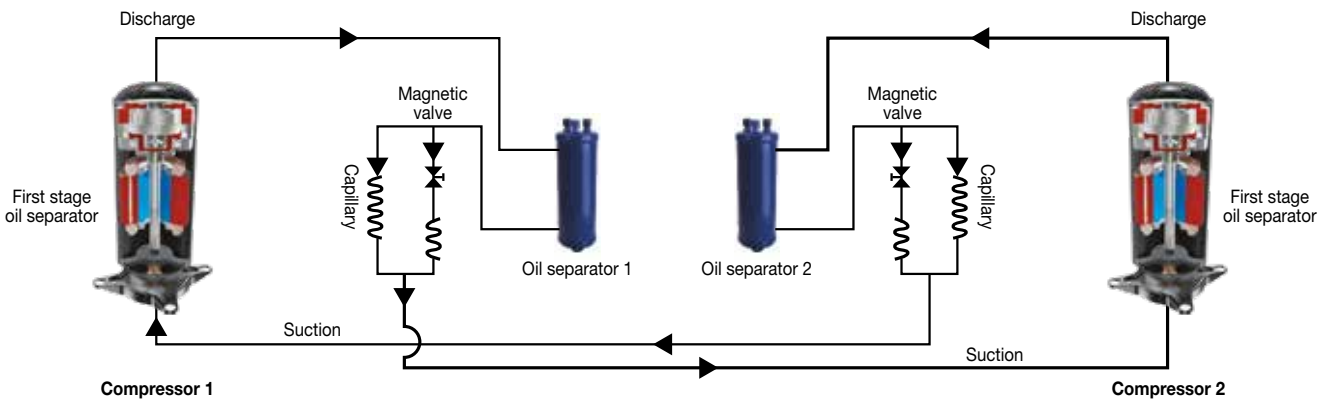
→ **Reliability/Maintenance:**
- Compressor double protection: two pressure sensors
- Double oil temperature sensor
- Large volume gas-liquid separator (26L) + liquid storage tank (10L)
- Two floor structure (no air bypass during maintenance): efficient measures

→ **Fan:**
- Optimized fan to reduce air vibration
- DC fan to optimize efficiency
- 82 Pa static pressure



Specific oil return

→ Magnetic valve
→ If the compressor operate at low frequency, oil return is only with capillary.
→ If the compressor operate at higher frequency, PCB control magnetic valve to improve oil return.



FLOWLOGIC III TECHNICAL DATA

Outdoor unit		AWAU-YDV 280-H13	AWAU-YDV 335-H13	AWAU-YDV 400-H13	AWAU-YDV 450-H13	AWAU-YDV 504-H13	AWAU-YDV 560-H13	AWAU-YDV 615-H13	AWAU-YDV 680-H13
Part number		7SP14H030	7HP14H031	7SP14H032	7SP14H033	7SP14H034	7SP14H035	7SP14H036	7SP14H037
Outdoor unit - Tropicalized version		AW-YDV 280TR-H13	AW-YDV 335TR-H13	AW-YDV 400TR-H13	AW-YDV 450TR-H13	AW-YDV 504TR-H13	AW-YDV 560TR-H13	AW-YDV 615TR-H13	AW-YDV 680TR-H13
Part number		7SP14H058	7SP14H059	7SP14H060	7SP14H061	7SP14H062	7SP14H063	7SP14H064	7SP14H065
Phase		Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
POWERS									
Capacity range	HP	10	12	14	16	18	20	22	24
Cooling	kW	28	33.5	40	45	50.4	56	61.5	68
Heating	kW	31.5	37.5	45	50	56.5	63	69	73
ELECTRICAL PARAMETERS									
Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N							
Cooling – Rated power input	kW	7.00	8.59	10.26	11.90	13.62	15.56	17.57	19.71
Cooling – Power input max.	kW	14.38	14.73	16.91	22.68	22.10	25.19	30.56	37.47
Cooling – Rated current	A	11.56	14.19	16.94	19.66	22.50	25.69	29.02	32.55
Cooling – Current max.	A	23.68	25.1	28.40	36.80	36.15	41.10	49.65	60.65
Heating – Rated power input	kW	7.08	8.72	10.71	12.05	13.95	15.95	18.16	19.47
Heating – Power input max.	kW	13.23	13.68	15.60	17.20	22.68	25.19	27.72	28.62
Heating – Rated current	A	11.69	14.40	17.69	19.90	23.04	26.34	29.99	32.15
Heating – Current max.	A	21.79	22.1	25.20	27.88	37.80	42.00	46.05	47.40
EER		4.00	3.90	3.90	3.78	3.70	3.60	3.50	3.45
Seasonal energy efficiency		274	269	255	236	242	233	229	223
COP		4.45	4.30	4.20	4.15	4.05	3.95	3.80	3.75
Seasonal energy efficiency		199	193	185	163	165	163	154	149
PERFORMANCE									
Airflow – Heating	m³/h	15000	15000	15000	15600	16200	16200	16200	16200
Airflow – Cooling	m³/h	13200	13200	13200	14400	15000	15000	15000	15000
Sound pressure level to 1 m	dB(A)	57	59	59.5	61	62	62	62	63
Sound power level	dB(A)	73	75	76	77	79	79	79	80
INSTALLATION									
Dimensions (WxHxD)	mm	1350x1690x720	1350x1690x720	1350x1690x720	1350x1690x720	1350x2048x720	1350x2048x720	1350x2048x720	1350x2048x720
Refrigerant/GWP		**R410A/2088**							
Refrigerant charge	kg	9.7	9.7	10	10	10	10	10	10
Net weight/Gross weight	kg	276/301	276/301	279/304	321/346	335/360	335/360	359/384	359/384
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing – Liquid pipe diameter	inches	3/8”	1/2”	1/2”	1/2”	5/8”	5/8”	5/8”	5/8”
Tubing – Suction pipe diameter	inches	7/8”	1”	1”	1”1/8	1”1/8	1”1/8	1”1/8	1”1/8
Tubing – Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”
Tubing – Max. tube length	m	1000	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units	m	18	18	18	18	18	18	18	18
External static pressure	Pa	82	82	82	82	82	82	82	82
Environment temperature range – Cooling	°C	-5°/50°							
Environment temperature range – Heating	°C	-23°/21°							
Maximum indoor units connectable	quantity	20	24	29	33	37	41	45	49

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **TWO COMBINATIONS**

Outdoor unit			YDV735-H13	YDV800-H13	YDV850-H13	YDV904-H13	YDV950-H13	YDV1010-H13
Phase			Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Combinations part number			YDV335 / 7SP14H031 YDV400 / 7SP14H032	YDV400 / 7SP14H032 YDV400 / 7SP14H032	YDV400 / 7SP14H032 YDV450 / 7SP14H033	YDV400 / 7SP14H032 YDV504 / 7SP14H034	YDV450 / 7SP14H033 YDV504 / 7SP14H034	YDV450 / 7SP14H033 YDV560 / 7SP14H035
POWERS								
Capacity range		HP	26	28	30	32	34	36
Cooling		kW	73.5	80	85	90.4	95.4	101
Heating		kW	82.5	90	95	101.5	106.5	113
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N					
Cooling	Rated power input	kW	18.85	20.51	22.16	23.88	25.53	27.46
	Power input max.	kW	31.64	33.81	39.59.	39.00	44.78	47.87
	Rated current	A	31.12	33.88	36.60	39.43	42.16	45.35
	Current max.	A	53.5	56.80	65.20	64.55	72.95	77.90
Heating	Rated power input	kW	19.44	21.43	22.76	24.66	26.00	28.00
	Power input max.	kW	29.28	31.20	32.80	38.28	39.88	42.39
	Rated current	A	32.10	35.39	37.59	40.73	42.94	46.24
	Current max.	A	47.3	50.40	53.08	63.00	65.68	69.88
EER			3.90	3.90	3.84	3.79	3.74	3.68
COP			4.24	4.20	4.17	4.12	4.10	4.04
PERFORMANCE								
Airflow	Heating	m³/h	30000	30000	30600	31200	31480	31480
	Cooling	m³/h	26400	26400	27600	28200	29400	29400
Sound pressure level to 1 m		dB(A)	62	62.5	63	64	64.5	64.5
Sound power level		dB(A)	79	80	80	81	82	82
INSTALLATION								
Dimensions (WxHxD)		mm	(1350x1690x720)x2	(1350x1690x720) x2	(1350x1690x720) x2	1350x1690x720 + 1350x2048x720	1350x1690x720 + 1350x2048x720	1350x1690x720 + 1350x2048x720
Refrigerant/GWP			**R410A/2088**					
Refrigerant charge		kg	10+10	10+10	10+10	10+10	10+10	10+10
Net weight/Gross weight		kg	276/301 + 279/304	279/304 + 279/304	279/304 + 321/346	321/346 + 335/360	321/346 + 335/360	321/346 + 335/360
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/4	1”1/4	1”1/4	1”1/4	1”1/4	1”1/4
	Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18	18	18
External static pressure		Pa	82	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°					
	Heating	°C	-23°/21°					
Maximum indoor units connectable		quantity	53	58	62	64	64	64

TECHNICAL DATA FOR **TWO COMBINATIONS**

Outdoor unit			YDV1064-H13	YDV1120-H13	YDV1175-H13	YDV1240-H13	YDV1295-H13	YDV1360-H13
Phase			Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Combinations part number			YDV504 / 7SP14H034 YDV560 / 7SP14H035	YDV560 / 7SP14H035 YDV560 / 7SP14H035	YDV560 / 7SP14H035 YDV615 / 7SP14H036	YDV560 / 7SP14H035 YDV680 / 7SP14H037	YDV615 / 7SP14H036 YDV680 / 7SP14H037	YDV680 / 7SP14H037 YDV680 / 7SP14H037
POWERS								
Capacity range		HP	38	40	42	44	46	48
Cooling		kW	106.4	112	117.5	124	129.5	136
Heating		kW	119.5	126	132	136	142	146
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N					
Cooling	Rated power input	kW	29.18	31.11	33.13	35.27	37.28	39.42
	Power input max.	kW	47.28	50.37	55.75	62.66	68.03	74.94
	Rated current	A	48.19	51.38	54.71	58.24	61.57	65.10
	Current max.	A	77.25	82.20	90.75	101.55	110.1	120.90
Heating	Rated power input	kW	29.90	31.90	34.11	35.42	37.62	38.93
	Power input max.	kW	47.87	50.37	52.91	53.81	56.34	57.24
	Rated current	A	49.38	52.68	56.33	58.49	62.14	64.30
	Current max.	A	19.80	84.00	88.05	89.40	93.45	94.80
EER			3.65	3.60	3.55	3.52	3.47	3.45
COP			4.00	3.95	3.87	3.84	3.77	3.75
PERFORMANCE								
Airflow	Heating	m³/h	32400	32400	32400	32400	32400	32400
	Cooling	m³/h	30000	30000	30000	30000	30000	30000
Sound pressure level to 1 m		dB(A)	65	65	65	65.5	65.5	66
Sound power level		dB(A)	83	83	83	83	83	84
INSTALLATION								
Dimensions (WxHxD)		mm	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2
Refrigerant/GWP			**R410A/2088**					
Refrigerant charge		kg	10+10	10+10	10+10	10+10	10+10	10+10
Net weight/Gross weight		kg	(335/360)x2	(335/360)x2	335/360 + 359/384	335/360 + 359/384	(359/384)x2	359/384 + 359/384
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/4	1”1/4	1”1/4	1”1/4	1”1/4	1”1/4
	Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18	18	18
External static pressure		Pa	82	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°					
	Heating	°C	-23°/21°					
Maximum indoor units connectable		quantity	64	64	64	64	64	64

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **THREE COMBINATIONS**

Outdoor unit			YDV1408-H13	YDV1460-H13	YDV1514-H13	YDV1570-H13
Phase			Three phase	Three phase	Three phase	Three phase
Combinations part number			YDV400 / 7SP14H032 YDV504 / 7SP14H034 YDV504 / 7SP14H034	YDV450 / 7SP14H033 YDV450 / 7SP14H033 YDV560 / 7SP14H035	YDV450 / 7SP14H033 YDV504 / 7SP14H034 YDV560 / 7SP14H035	YDV450 / 7SP14H033 YDV560 / 7SP14H035 YDV560 / 7SP14H035
POWERS						
Capacity range		HP	50	52	54	56
Cooling		kW	140.8	146	151.4	157
Heating		kW	158	163	169.5	176
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	37.50	39.37	41.08	43.02
	Power input max.	kW	61.10	70.55	69.96	73.05
	Rated current	A	61.93	65.01	67.85	71.04
	Current max.	A	100.70	114.70	114.05	119.00
Heating	Rated power input	kW	38.62	40.05	41.95	43.95
	Power input max.	kW	60.96	59.59	65.07	67.57
	Rated current	A	63.77	66.14	69.28	72.58
	Current max.	A	100.80	97.76	107.68	111.88
EER			3.75	3.71	3.69	3.65
COP			4.09	4.07	4.04	4.00
PERFORMANCE						
Airflow	Heating	m³/h	44440	44440	48000	48000
	Cooling	m³/h	43200	43480	44440	44440
Sound pressure level to 1 m		dB(A)	66	66	66.5	66.5
Sound power level		dB(A)	84	84	85	85
INSTALLATION						
Dimensions (WxHxD)		mm	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2
Refrigerant/GWP			**R410A/2088**			
Refrigerant charge		kg	10+10+10	10+10+10	10+10+10	10+10+10
Net weight/Gross weight		kg	279/304 + (335/360)x2	321/346 + (335/360)x2	321/346 + (335/360)x2	(335/360)x3
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/2	1”1/2	1”1/2	1”5/8
	Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18
External static pressure		Pa	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable		quantity	64	64	64	64

TECHNICAL DATA FOR **THREE COMBINATIONS**

Outdoor unit			**YDV1624-H13**	**YDV1680-H13**	**YDV1735-H13**	**YDV1800-H13**
Phase			**Three phase**	**Three phase**	**Three phase**	**Three phase**
Combinations part number			**YDV504 / 7SP14H034** **YDV560 / 7SP14H035** **YDV560 / 7SP14H035**	**YDV560 / 7SP14H035** **YDV560 / 7SP14H035** **YDV560 / 7SP14H035**	**YDV560 / 7SP14H035** **YDV560 / 7SP14H035** **YDV615 / 7SP14H036**	**YDV560 / 7SP14H035** **YDV560 / 7SP14H035** **YDV680 / 7SP14H037**
POWERS						
Capacity range		HP	58	60	62	64
Cooling		kW	162.4	168	173,5	180
Heating		kW	182.5	189	195	199
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	44.73	46.67	48,68	50.82
	Power input max.	kW	72.47	75.56	80,93	87.84
	Rated current	A	73.88	77.07	80,40	83.93
	Current max.	A	118.35	123.30	131,85	142.65
Heating	Rated power input	kW	45.85	47.85	50,06	51.37
	Power input max.	kW	73.05	75.56	78,09	78.99
	Rated current	A	75.72	79.02	82,67	84.83
	Current max.	A	121.80	126.00	130,05	131.40
EER			3.63	3.60	3,56	3.54
COP			3.98	3.95	3,90	3.87
PERFORMANCE						
Airflow	Heating	m³/h	48600	48600	48600	48600
	Cooling	m³/h	45000	45000	45000	45000
Sound pressure level to 1 m		dB(A)	67	67	67	67
Sound power level		dB(A)	85	85	85	85
INSTALLATION						
Dimensions (WxHxD)		mm	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 2 + (1350x2048x720)	(1350x2048x720) x 3
Refrigerant/GWP			**R410A/2088**			
Refrigerant charge		kg	10+10+10	10+10+10	10+10+10	10+10+10
Net weight/Gross weight		kg	(335/360)x3	(335/360)x3	(335/360)x2 + (359/384)	(335/360)x2 + 359/384
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”5/8	1”5/8	1”5/8	1”5/8
	Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18
External static pressure		Pa	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable		quantity	64	64	64	64

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **THREE COMBINATIONS**

Outdoor unit			YDV1855-H13	YDV1920-H13	YDV1975-H13	YDV2040-H13
Phase			Three phase	Three phase	Three phase	Three phase
Combinations part number			YDV560 / 7SP14H035 YDV615 / 7SP14H036 YDV680 / 7SP14H037	YDV560 / 7SP14H035 YDV680 / 7SP14H037 YDV680 / 7SP14H037	YDV615 / 7SP14H036 YDV680 / 7SP14H037 YDV680 / 7SP14H037	YDV680 / 7SP14H037 YDV680 / 7SP14H037 YDV680 / 7SP14H037
POWERS						
Capacity range		HP	66	68	70	72
Cooling		kW	185.5	192	197.5	204
Heating		kW	205	209	215	219
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	52.84	54.98	56.99	59.13
	Power input max.	kW	93.22	100.13	105.50	112.41
	Rated current	A	87.26	90.79	94.12	97.65
	Current max.	A	151.2	162.00	170.55	181.35
Heating	Rated power input	kW	53.57	54.88	57.09	58.40
	Power input max.	kW	81.53	82.43	84.96	85.86
	Rated current	A	88.48	90.64	94.29	96.45
	Current max.	A	135.45	136.80	140.85	142.20
EER			3.51	3.49	3.47	3.45
COP			3.83	3.81	3.77	3.75
PERFORMANCE						
Airflow	Heating	m³/h	48600	48600	48600	48600
	Cooling	m³/h	45000	45000	45000	45000
Sound pressure level to 1 m		dB(A)	67	67.5	67.5	67.5
Sound power level		dB(A)	85	86	86	86
INSTALLATION						
Dimensions (WxHxD)		mm	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 3
Refrigerant/GWP			**R410A/2088**			
Refrigerant charge		kg	10+10+10	10+10+10	10+10+10	10+10+10
Net weight/Gross weight		kg	(335/360)x2 + 359/384	335/360 + (359/384)x2	335/360 + (359/384)x2	335/360 + (359/384)x2
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	7/8”	7/8”	7/8”	7/8”
	Suction pipe diameter	inches	1”3/4	1”3/4	1”3/4	1”3/4
	Oil equalization pipe	inches	3/8”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18
External static pressure		Pa	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable		quantity	64	64	64	64

WATER FLOWLOGIC
WATER CONDENSING VRF

PRODUCTS

- Water condensation
- Co-axial heat exchangers
- Compact design
- Quiet

RWV06 (optional)

RWV08 (optional)

FEATURES

TECHNOLOGY:

DC INVERTER

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

BMS COMPATIBLE

SERVICE MONITOR TOOL

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ High energy efficiency (COP > 6)
→ Energy recovery from water loops

THE ⊕ «USER»
→ 100 % indoor application
→ Practical and discreet solution

THE ⊕ «INSTALLER»
→ Superimposed installation possible
→ Up to 300 m of refrigeration network and 50 m height difference

THE ⊕ «TECHNOLOGY»
→ Up to 59 indoor units
→ Outside temperature does not affect performance

ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Gather pipe kit for 2 outdoor groups	7ACFHH013	TBS20		Refrigerant gathering	For 2 outdoor groups
Gather pipe kit for 3 outdoor groups	7ACFHH014	TBS30		Refrigerant gathering	For 3 outdoor groups
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total IDU power
	7ACFHH002	TAU506		Refrigerant gathering	33.5 kW ≤ Total IDU power < 50.6 kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total IDU power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total IDU power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total IDU power
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	

WATER FLOWLOGIC TECHNICAL DATA

Outdoor unit			YWC220-H13	YWC280-H13	YWC335-H13
Part number			**7SP14H038**	**7SP14H039**	**7SP14H040**
POWERS					
Capacity range		HP	8	10	12
Cooling capacity		kW	22.4	28	33.5
Heating capacity		kW	25	31.5	37.5
ELECTRICAL PARAMETERS					
Phase/Voltage/Frequency			3P/380-400V/50-60Hz	3P/380-400V/50-60Hz	3P/380-400V/50-60Hz
Cooling	Rated power input	kW	4.50	6.00	7.70
	Max. power input	kW	13.00	15.00	17.00
	Rated current	A	7.20	9.60	12.32
	Max.current	A	20.79	23.99	27.19
Heating	Rated power input	kW	4.15	5.80	7.80
	Max. power input	kW	13.00	15.00	17.00
	Rated current	A	6.64	9.28	12.47
	Max.current	A	20.79	23.99	27.19
EER/COP			4.98/6.02	4.67/5.43	4.35/4.81
PERFORMANCE					
Water flow (HS)		m^3/h	4.8	6	7.2
Sound pressure level (HS)		dB(A)	50	51	53
Sound power level (HS)		dB(A)	61	62	64
INSTALLATION					
External dimensions (WxDxH)		mm	775x995x545	775x995x545	775x995x545
Shipping dimensions (WxDxH)		mm	875x1182x655	875x1182x655	875x1182x655
Net/Shipping weight		kg	172/183	172/183	172/183
Compressor type			Scroll DCI	Scroll DCI	Scroll DCI
Refrigerant/GWP			**R410A/2088**	**R410A/2088**	**R410A/2088**
Refrigerant charge		kg	2	2	2
Refrigerant liquid pipe		mm	3/8”	3/8”	1/2”
Refrigerant gas pipe		mm	3/4”	7/8”	1”
Oil equalization pipe		mm	3/8”	3/8”	3/8”
Total pipe length		m	300	300	300
Max. pipe length (equivalent/actual)		m	150/120	150/120	150/120
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40
WATER SIDE					
Inlet water connection pipe		mm	DN32	DN32	DN32
Outlet water connection pipe		mm	DN32	DN32	DN32
Pressure drop (inlet and outlet)		Kpa	35	50	70
Connection type			inner grooved	inner grooved	inner grooved
Max. system water pressure		Mpa	1.6	1.6	1.6
Inlet water temperature range (cooling/heating)		°C	7°/45°	7°/45°	7°/45°
CONNECTION RATIO					
Connectable indoor unit ratio		%	50-130	50-130	50-130
Maximum number of indoor units		unit	13	16	19

HBV
HIGH WALL

PRODUCTS

- RCV02 remote control included
- DC Inverter tangential fan
- Panel digital screen
- Integrated electronic expansion valve
- Dry contact available

RWV05 (optional)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

USER FUNCTIONS:

INSTALLER FUNCTIONS:

THE ⊕ «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

THE ⊕ «USER»

→ Simple and elegant design
→ Silent operation
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ⊕ «INSTALLER»

→ Thickness

THE ⊕ «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

HBV TECHNICAL DATA

Indoor unit		AWSI-HBV007-N11	AWSI-HBV009-N11	AWSI-HBV012-N11	AWSI-HBV016-N11	AWSI-HBV018-N11	AWSI-HBV024-N11	AWSI-HBV030-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H019		7SP02H014	7SP02H020		7SP02H016	7SP02H018
RATED POWER								
Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2	30.7
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9
Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3	34.1
	kW	2.5	3.2	4	5	6.3	8	10
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/h	420/480/550	470/530/600	500/560/630	650/720/800	720/800/920	800/920/1010	1400/1500/1600
Noise level (LS/MS/HS)	dB(A)	29/31/35	29/31/36	29/33/37	34/36/39	35/39/40	36/40/44	41/44/19
INSTALLATION								
External dimensions (WxHxD)	mm	855x280x200	855x280x200	855x280x200	1115x336x243	1115x336x243	1115x336x243	1115x336x243
Shipping dimensions (WxHxD)	mm	954x355x279	954x355x279	954x355x279	1206x418x342	1206x418x342	1206x418x342	1206x418x342
Net weight/Gross weight	kg	10.9/12.6	10.9/12.6	10.9/12.6	13/16.5	13/16.5	13/16.5	13/16.5
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"

CBV
CASSETTE 600X600

Airwell
Just feel well

R410A

THE ✚ «SUSTAINABLE DEVELOPMENT»
→ Energy savings (locking mode, setpoint limits)

THE ✚ «USER»
→ Air renewal by supply of fresh air
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ✚ «INSTALLER»
→ Easy integration into false ceilings thanks to its
→ Simple installation thanks to its integrated condensate pump

THE ✚ «TECHNOLOGY»
→ Optimal regulation thanks to its electronic expansion valve

CBV TECHNICAL DATA

Indoor unit		AWSI-CBV005-N11	AWSI-CBV007-N11	AWSI-CBV009-N11	AWSI-CBV012-N11	AWSI-CBV016-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H020	7SP04H038		7SP04H039	
RATED POWER						
Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3
	kW	1.5	2.2	2.8	3.6	4.5
Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1
	kW	1.7	2.5	3.2	4	5
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency		1P/220-230V/50-60Hz				
PERFORMANCE						
Airflow (LS/MS/HS)	m³/h	430/540/650	480/590/700	480/590/700	480/590/700	480/590/700
Noise level (LS/MS/HS)	dB(A)	28/29/31	29/30/32	29/30/32	29/30/32	29/30/33
INSTALLATION						
External dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570
Shipping dimensions (WxHxD)	mm	718x380x680	718x380x680	718x380x680	718x380x680	718x380x680
Net weight/Gross weight	kg	16/19	16/19	16/19	19/22	19/22
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	3/8"	1/2"	1/2"
FRAME						
Frame part number		7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x60x700	700x60x700	700x60x700	700x60x700	700x60x700
Shipping dimensions (WxHxD)	mm	740x115x750	740x115x750	740x115x750	740x115x750	740x115x750
Net weight/Gross weight	kg	2.8/4.5	2.8/4.5	2.8/4.8	2.8/4.8	2.8/4.8

✚ PRODUCTS

- RWV05 remote control included
- Integrated condensate pump
- Fresh air inlet
- Integrated electronic expansion valve
- Dry contact available

RCV02 (optional)

RWV03 (optional)

RWV07 (optional)

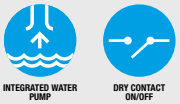
FEATURES

TECHNOLOGY:

AIR QUALITY / CLEAN:

USER FUNCTIONS:

INSTALLER FUNCTIONS:



VRF

CFV
360° CASSETTE 900X900

PRODUCTS

- RWV05 remote control included
- 360° air blowing
- Integrated condensate pump
- Extra-slim unit
- Fresh air inlet
- Dry contact available

RCV02 (optional)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

MULTIFLOW 360°

AIR QUALITY / CLEAN:

FRESH AIR

USER FUNCTIONS:

I FEEL

PROGRAMMABLE TIMER

AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

INTEGRATED WATER PUMP

DRY CONTACT ON/OFF

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ Energy savings (locking mode, setpoint limits)

THE ⊕ «USER»
→ Optimal comfort with its 360° blown air output
→ Air renewal by supply of fresh air
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ⊕ «INSTALLER»
→ Simple installation (180 mm high)

THE ⊕ «TECHNOLOGY»
→ Optimal regulation thanks to its electronic expansion valve

CFV TECHNICAL DATA

Indoor unit		AWSI-CFV016-N11	AWSI-CFV018-N11	AWSI-CFV024-N11	AWSI-CFV030-N11	AWSI-CFV038-N11	AWSI-CFV048-N11	AWSI-CFV060-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H035		7SP04H029	7SP04H036		7SP04H037	
RATED POWER								
Cooling	kBtu/h	15.3	19.1	24.2	30.7	38.2	47.7	54.6
	kW	4.5	5.6	7.1	9	11.2	14	16
Heating	kBtu/h	17.1	21.5	27.3	34.1	42.6	54.6	61.2
	kW	5	6.3	8	10	12.5	16	18
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/h	620/810/1000	1000/1190/1380	1660/1670/2050	1660/1670/2050	1720/1910/2100	1720/1910/2100	1720/1910/2100
Noise level (LS/MS/HS)	dB(A)	29/30/33	31/34/35	31/35/37	31/35/37	36/40/44	36/40/44	36/40/44
INSTALLATION								
External dimensions (WxHxD)	mm	840x183x840	840x183x840	840x204x840	840x246x840	840x246x840	840x288x840	840x288x840
Shipping dimensions (WxHxD)	mm	983x268x983	983x268x983	983x290x983	983x331x983	983x331x983	983x373x983	983x373x983
Net weight/Gross weight	kg	28/31	28/31	29/32	34/37	34/37	35/38	35/38
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
FRAME								
Frame part number		7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003
External dimensions (WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
Shipping dimensions (WxHxD)	mm	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025
Net weight/Gross weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9

FAV
FLOOR-CEILING

Airwell
Just feel well

R410A

THE ✪ «SUSTAINABLE DEVELOPMENT»
→ Energy savings (locking mode, setpoint limits)

THE ✪ «USER»
→ Air blowing distance up to 11m
→ Horizontal and vertical airflow sweep
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ✪ «INSTALLER»
→ Horizontal or vertical installation

THE ✪ «TECHNOLOGY»
→ Optimal regulation thanks to its electronic expansion valve

FAV TECHNICAL DATA

Indoor unit		AWSI-FAV009-N11	AWSI-FAV012-N11	AWSI-FAV018-N11	AWSI-FAV024-N11	AWSI-FAV028-N11	AWSI-FAV030-N11	AWSI-FAV038-N11	AWSI-FAV048-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H007	7SP01H004		7SP02H011	7SP01H005		7SP01H006	
RATED POWER									
Cooling	kBtu/h	9.5	12.3	19.1	24.2	27.3	30.7	38.2	48
	kW	**2.8**	**3.6**	**5.6**	**7.1**	**8**	**9**	**11.2**	**14**
Heating	kBtu/h	10.9	13.6	21.5	27.3	30.7	34.1	42.6	55
	kW	**3.2**	**4**	**6.3**	**8**	**9**	**10**	**12.5**	**16**
ELECTRICAL PARAMETERS									
Phase/Voltage/Frequency		1P/220-230V/50-60Hz							
PERFORMANCE									
Airflow (LS/MS/HS)	m³/h	580/710/800	580/710/800	580/710/800	580/710/800	1610/1820/2040	1610/1820/2040	1610/1820/2040	1610/1820/2040
Noise level (LS/MS/HS)	dB(A)	33/35/38	33/35/38	35/37/40	35/37/40	38/40/43	38/40/43	38/42/46	38/42/46
INSTALLATION									
External dimensions (WxHxD)	mm	990x655x199	990x665x199	990x655x199	990x665x199	1580x700x240	1580x700x240	1580x700x240	1580x700x240
Shipping dimensions (WxHxD)	mm	1160x730x280	1160x730x280	1160x730x280	1160x730x280	1720x800x330	1720x800x330	1720x800x330	1720x800x330
Net weight/Gross weight	kg	28.3/34.3	28.3/36.4	28.3/36.4	28.3/36.4	50/57	50/57	54/61	54/61
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"

✚ PRODUCTS

- RWV05 remote control included
- High airflow rate
- Extra-slim unit (199 mm)
- Integrated electronic expansion valve
- Dry contact available

RCV02 (optional)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

USER FUNCTIONS:

I FEEL

PROGRAMMABLE TIMER

AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

VRF

DDV
DUCTED LOW STATIC PRESSURE

PRODUCTS

- RWV05 remote control included
- Integrated condensate pump
- Extra-slim unit
- Fresh air supply
- Adjustable static pressure 0-30 Pa
- Dry contact available

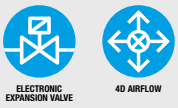
RCV02 (optional)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:



AIR QUALITY / CLEAN:

USER FUNCTIONS:

INSTALLER FUNCTIONS:

THE ⊕ «SUSTAINABLE DEVELOPMENT»
→ Energy savings (locking mode, setpoint limits)

THE ⊕ «USER»
→ Super quiet 21 dB
→ Designer solution thanks to its motorised Thickness
→ Directable airflow
→ Air renewal by supply of fresh air
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ⊕ «INSTALLER»
→ Simple installation (185 mm high)

THE ⊕ «TECHNOLOGY»
→ Optimal regulation thanks to its electronic expansion valve
→ Front panel with digital display

DDV TECHNICAL DATA

Indoor unit		AWSI-DDV007-N11	AWSI-DDV009-N11	AWSI-DDV012-N11	AWSI-DDV016-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H042		7SP03H027	7SP03H028
RATED POWERS					
Cooling	kBtu/h	7.5	9.5	12.3	15.3
	kW	**2.2**	**2.8**	**3.6**	**4.5**
Heating	kBtu/h	8.5	10.9	13.6	17.1
	kW	**2.5**	**3.2**	**4**	**5**
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1P/220-230V/50-60Hz			
PERFORMANCE					
Airflow (LS/MS/HS)	m³/h	360/420/480	360/420/480	370/430/550	460/540/600
Noise level (LS/MS/HS)	dB(A)	21/24/27	21/24/27	25/28/30	27/30/33
INSTALLATION					
External dimensions (WxHxD)	mm	850x185x420	850x185x420	850x185x420	850x185x420
Shipping dimensions (WxHxD)	mm	1045x270x540	1045x270x540	1045x270x540	1045x270x540
Net weight/Gross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	18.5/23.5
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
External static pressure (standard/max)	Pa	0/30	0/30	0/30	0/30
Motorized panel and return air grill	**Code**	**7ACVF0587**	**7ACVF0587**	**7ACVF0587**	**7ACVF0587**

DBV DUCTED MEDIUM STATIC PRESSURE

Airwell Just feel well

R410A

THE ✪ «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

THE ✪ «USER»

→ Multiple applications connectable using the dry contact: room card, presence detection

→ Air renewal by supply of fresh air

THE ✪ «INSTALLER»

→ Ease of installation thanks to its small dimensions

→ Integrated condensate pump

THE ✪ «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

→ Adaptability to the ventilation network thanks to its adjustable static pressure

✚ PRODUCTS

- RWV05 remote control included
- Integrated condensate pump
- Extra-slim unit 250 mm
- Fresh air supply
- Adjustable static pressure 50-100 Pa
- Dry contact available

RCV02 (optional)

(REC01 infrared receiver to combined with RCV02)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

AIR QUALITY / CLEAN:

FRESH AIR

USER FUNCTIONS:

I FEEL — SUPER QUIET — PROGRAMMABLE TIMER — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

INTEGRATED WATER PUMP — DRY CONTACT ON/OFF

DBV TECHNICAL DATA

Indoor unit		AWSI-DBV 018-N11	AWSI-DBV 024-N11	AWSI-DBV 028-N11	AWSI-DBV 030-N11	AWSI-DBV 038-N11	AWSI-DBV 048-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H035	7SP03H041		7SP03H038	7SP03H039	7SP03H040
RATED POWER							
Cooling	kBtu/h	19.1	24.2	27.3	30.7	38.2	47.8
	kW	5.6	7.1	8	9	11.2	14
Heating	kBtu/h	21.5	27.3	30.7	34.1	44.3	55.6
	kW	6.3	8	9	10	13	16.3
ELECTRICAL PARAMETERS							
Phase/Voltage/Frequency		1P/230V/50-60Hz					
PERFORMANCE							
Airflow (LS/MS/HS)	m³/h	699/805/920	950/1090/1230	950/1090/1230	930/1180/1500	900/1300/1700	1250/1700/2000
Noise level (LS/MS/HS)	dB(A)	36/38/40	38/40/42	39/43/46	38/42/46	39/43/46	39/44/47
INSTALLATION							
External dimensions (WxHxD)	mm	1050x250x720	1050x250x720	1050x250x720	1100x248x700	1500x248x700	1500x248x700
Shipping dimensions (WxHxD)	mm	1170x340x860	1170x340x860	1170x340x860	1332x280x835	1698x305x857	1698x305x857
Net weight/Gross weight	kg	30,5/35,9	33,1/38,5	33,1/38,5	39.4/45,4	48,3/56,5	51.3/59,5
Liquid pipe diameter	inches	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/4"	5/8"	5/8"	5/8"	5/8"	5/8"
Static pressure	Pa	50	50	50	50	50	50
Max. static pressure	Pa	100	100	100	100	100	100

DCV
DUCTED HIGH STATIC PRESSURE

DCV 048

DCV 072-096

+ PRODUCTS

- RWV05 remote control included
- High static pressure and airflow
- High power 14 to 28 kW
- Dry contact available

RCV02 (optional)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

USER FUNCTIONS:

INSTALLER FUNCTIONS:

THE ⊕ «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

THE ⊕ «USER»

→ Static pressure up to 196 Pa to adapt to any type of ventilation network

THE ⊕ «INSTALLER»

→ Possible installation on textile duct

THE ⊕ «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

→ Adaptability to the ventilation network thanks to its adjustable static pressure

DCV TECHNICAL DATA

Indoor unit		AWSI-DCV018-N11	AWSI-DCV024-N11	AWSI-DCV030-N11	AWSI-DCV038-N11	AWSI-DCV048-N11	AWSI-DCV072-N11	AWSI-DCV096-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H014	7SP03H015	7SP03H043			7SP03H044	
RATED POWER								
Cooling	kBtu/h	19.1	24.2	30.7	38.2	47.7	77.1	95.5
	kW	**5.6**	**7.1**	**9**	**11.2**	**14**	**22.6**	**28**
Heating	kBtu/h	21.5	27.3	34.1	42.6	54.6	85.3	108.5
	kW	**6.3**	**8**	**10**	**12.5**	**16**	**25**	**31.5**
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/h	1089/1357/1500	1089/1357/1500	1133/1412/1560	1162/1448/1600	1525/1901/2100	2612/3255/4050	2612/3255/4050
Noise level (LS/MS/HS)	dB(A)	38/40/42	38/40/42	40/43/45	40/43/45	40/43/45	49/51/54	49/51/54
INSTALLATION								
External dimensions (WxHxD)	mm	975x360x906	975x360x906	1355x360x876	1355x360x876	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1048x413x943	1048x413x943	1378x405x938	1378x405x938	1430x420x940	1800x525x1000	1800x525x1000
Net weight/Gross weight	kg	48/58	48/58	62/77	62/77	62/77	100/111	100/111
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	1"	1"
External statique pressure (standard)*	Pa	100	100	100	100	100	100	100

* For complete external statique pressure curves, contact us.

EAV
CONSOLE

Airwell
Just feel well

R410A

THE ✚ «SUSTAINABLE DEVELOPMENT»
→ Energy savings (locking mode, setpoint limits)

THE ✚ «USER»
→ New simple and elegant design
→ Super-quiet unit
→ Upward and downward blowing for greater comfort
→ Multiple applications connectable using the dry contact: room card, presence detection

THE ✚ «INSTALLER»
→ Very compact
→ Ideal solution for rooms with low ceilings

THE ✚ «TECHNOLOGY»
→ Optimal regulation thanks to its electronic expansion valve

EAV TECHNICAL DATA

Indoor unit		AW-EAV009-N11	AW-EAV012-N11	AW-EAV018-N11
Phase		Single phase	Single phase	Single phase
Part number		7SP07H000		
RATED POWER				
Cooling	kBtu/h	9.5	12.3	17
	kW	**2.8**	**3.6**	**5**
Heating	kBtu/h	10.9	13.6	18.5
	kW	**3.2**	**4**	**5.5**
ELECTRICAL PARAMETERS				
Phase/Voltage/Frequency		1P/230V/50-60Hz		
PERFORMANCE				
Airflow (VL/LS/MS/HS/VH)	m³/h	270/310/390/460/540	270/310/390/460/540	270/390/460/540/620
Noise level (VL/LS/MS/HS/VH)	dB(A)	32/35/39/42/45	34/38/41/44/47	35/39/42/45/48
INSTALLATION				
External dimensions (WxHxD)	mm	700x600x210	700x600x210	700x600x210
Shipping dimensions (WxHxD)	mm	783x695x303	783x695x303	783x695x303
Net weight/Gross weight	kg	15.2/18.7	15.2/18.7	15.2/18.7
Liquid pipe diameter	inches	1/2"	1/2"	1/2"
Suction pipe diameter	inches	1/4"	1/4"	1/4"

✚ PRODUCTS

- RCV02 remote control included
- DC Inverter centrifugal fan
- Compact unit
- Bidirectional airflow
- Dry contact available

RWV05 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

ELECTRONIC EXPANSION VALVE

USER FUNCTIONS:

I FEEL — SUPER QUIET — PROGRAMMABLE TIMER — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

DRY CONTACT ON/OFF

VRF

AHU connection kit

Airwell offers a range of connection kits to connect VRF outdoor units to third party DX air handling units.

SYSTEM APPLICATION

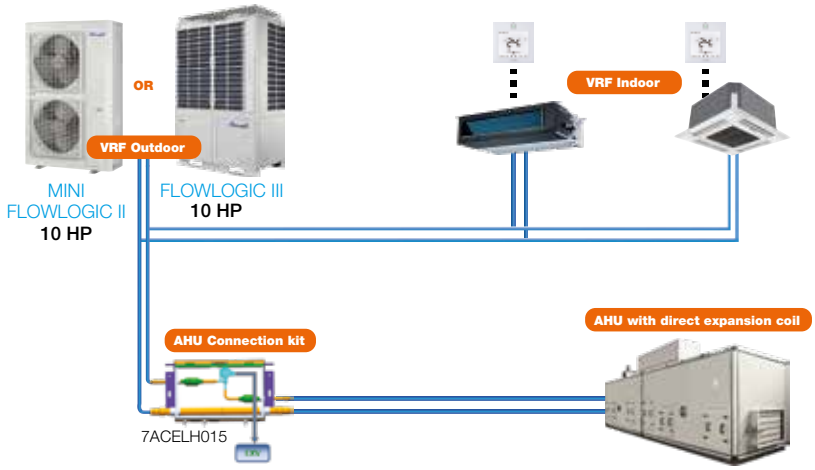
- Provides a solution for big space to cool down the supplied fresh air with VRF outdoor units to match the air handling units. Integrates all advantages of VRF and AHU units.
- EU legislation requires that every working place has to be supplied with a minimum of 25 m³/h/person of fresh air. So it means that every office, every shop and mostly every commercial building must have this solution in order to comply with the standard.

Buildings

Shopping centres

Hospitals

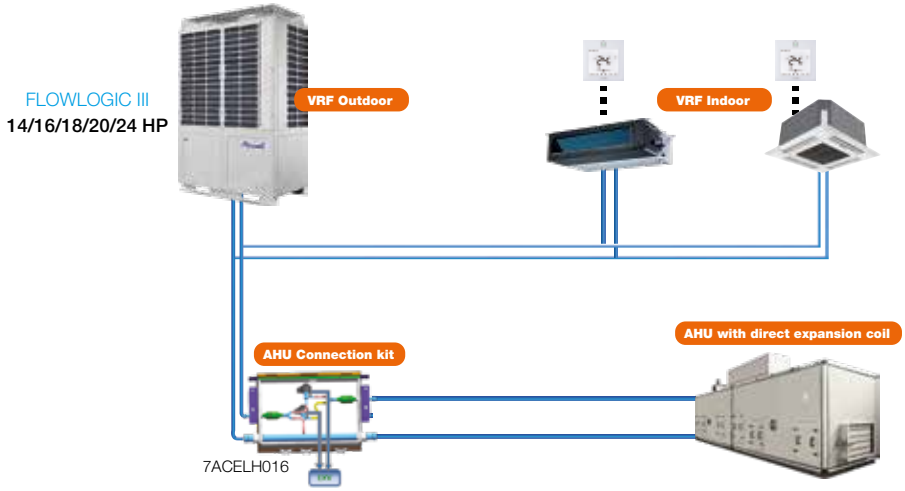
CONFIGURATION BETWEEN 14 AND 28 KW



5 HP (14 kW) < Connected AHU capacity ≤ 10 HP (28 kW)

AHU and direct expansion coil to be purchased through other supplier

CONFIGURATION BETWEEN 28 AND 56 KW



10 HP (28 kW) < Connected AHU capacity ≤ 20 HP (56 kW)

AHU and direct expansion coil to be purchased through other supplier

VRF OUTDOOR LINE UP

Outdoor unit	MINI FLOWLOGIC II	FLOWLOGIC III	
Model	8, 10, 12 HP	All range	
Power supply	3P/380-400V/50Hz 3P/380-400V/60Hz	3P/380-400V/50Hz - 3P/380-400V/60Hz 3P/220V/60Hz - 3P/460V/60Hz	
AHU kit	**7ACELH015**	**7ACELH016**	
	5 HP (14kW) < Connected AHU capacity ≤ 10 HP (28kW)	10 HP (28kW) < Connected AHU capacity ≤ 20 HP (56kW)	

AHU KIT CONFIGURATION

Airwell AHU connection kit consists in the following 4 parts:

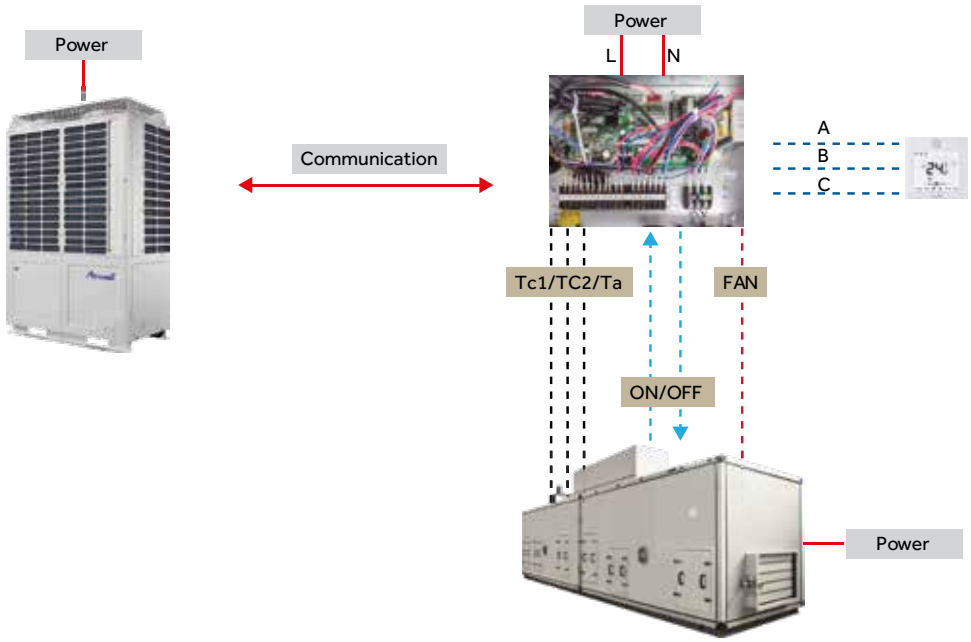
7ACELH015 = EXV part + Control part + Sensors and wires + Mandatory accessory (RWV05 7ACELH021)

Different Valve ▼ Same Control Parts

7ACELH016 = EXV part + Control part + Sensors and wires + Mandatory accessory (RWV05 7ACELH021)

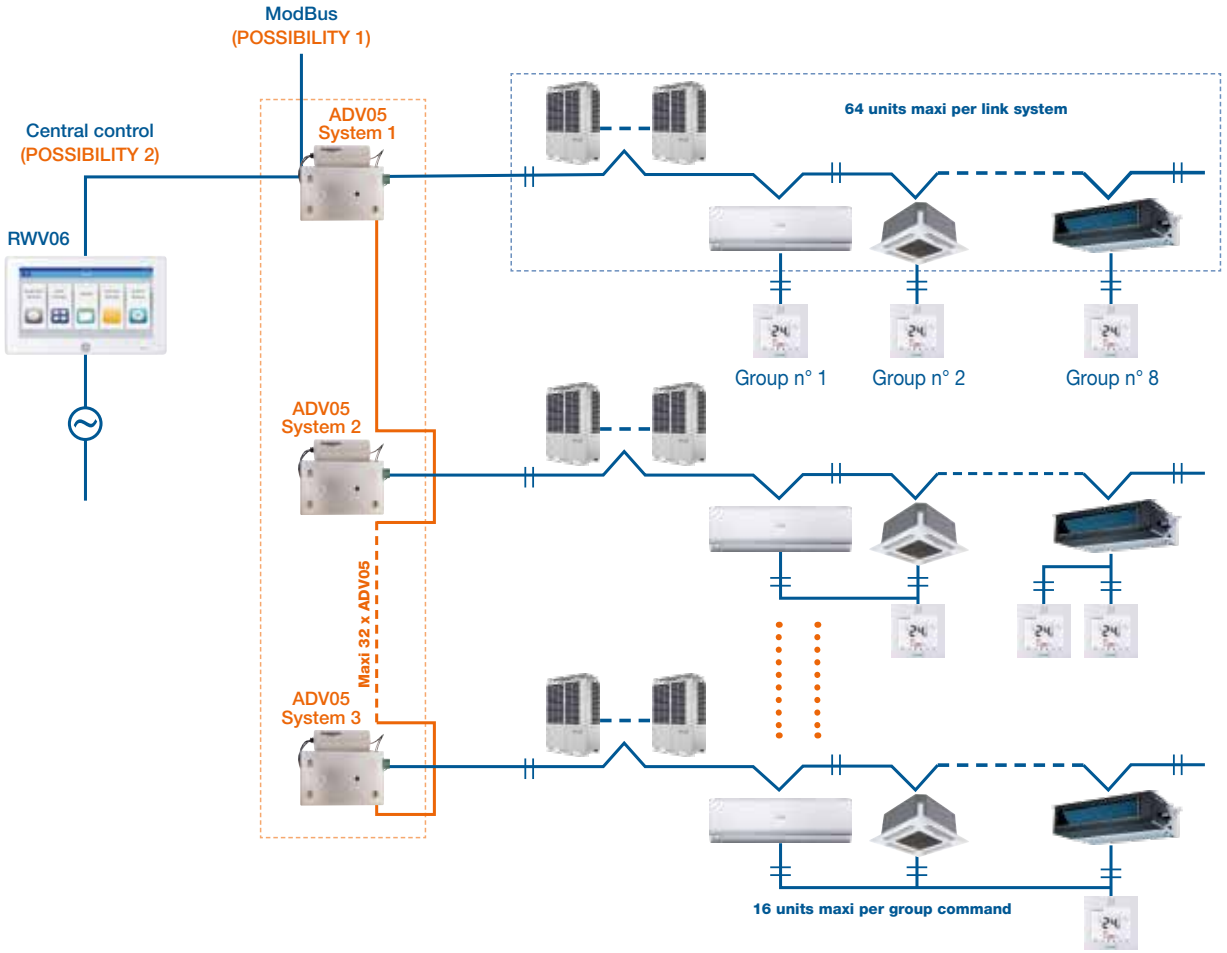
- EXV part, control part, sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control *via* outlet air sensor on AHU.

WIRING DIAGRAM



Central control solutions with ADV05

ONLY ONE GATEWAY: CENTRAL CONTROL OR MODBUS



TOUCH SCREEN CENTRAL REMOTE CONTROL RWV06

This command allows you to control and monitor the status of indoor units:

- → Modern design
- → Intuitive and simple operation thanks to its 7” touch screen
- → Controls until 64 indoor units by system and 256 indoor units by central control
- → Can monitors until 32 systems thanks to 32 ADV05

The main functions are:

- → Reading operating parameters
- → Visualization of failure code
- → Weekly time: mode, fan speed, temperature
- → Sets LIFO (last enter have high priority)
- → Creation and monitoring zones
- → ModBus RS485 -+

Part number RWV06: 7ACELH023

	ACCESSORY NAME	Photo	Part number	Model
CONTROLLERS	INFRARED CONTROLLER		7ACELH022	RCV02
	INFRARED CONTROLLER RECEIVER		7ACELH009	REC01
	SIMPLIFIED CONTROLLER		7ACELH032	RWV03
	WIRED STANDARD CONTROLLER		7ACELH021	RWV05
	WIRED CONTROL WEEKLY TIMER		7ACELH024	RWV07
	MINI CENTRAL CONTROLLER		7ACELH025	RWV08
	CENTRAL CONTROLLER “TOUCH SCREEN”		7ACELH023	RWV06
BMS SOLUTIONS & MAINTENANCE	CENTRAL CONTROLLER GATEWAY AND MODBUS/RTU		7ACELH027	ADV05
	MAINTENANCE TOOL		7ACELH014	TD02

FUNCTION	FOR WHAT UNITS?	OPTION/COMMENT
On/Off, set temperature, auto scan, mode, individual control, timer.	All indoor units.	Standard with high wall and console, optional with cassette and ducted.
Realize infrared control.	Ducted	-
Unit operating and group control (max. 16 indoor units).	All indoor unit types (except for console).	-
Unit operating, group control (max. 16 indoor units) and “I Feel” function.	High wall, ducted, cassette, floor-ceiling.	Standard with cassette, ducted and floor-ceiling.
Single unit control, group control, max. 16 units, weekly timer, clock, mode cooling/heating/ auto/airflow/dehumidification, temperature, fan speed, fan direction.	High wall, cassette, ducted, floor-ceiling.	-
32 indoor units max., individual control, group control, central control, weekly timer, error display.	Mini FlowLogic II FlowLogic III	ADV05 mandatory.
Central control, single unit control, group control, max. 256 units, weekly timer, clock, mode cooling/ heating/auto/airflow/dehumidification, temperature, fan speed, fan direction.	Mini FlowLogic II FlowLogic III	ADV05 mandatory.
RWV06 and RWV08 adaptor and ModBus/RTU gateway.	Mini FlowLogic II FlowLogic III	-
Working parameters monitoring and recording tool.	Mini FlowLogic II FlowLogic III	-

Tool box

MEASURE UNITS CONVERSION

Length			
1 inch (in)	0. 0254 m		
1 foot (ft)	12 inches	0.3048 m	
1 yard (yd)	3 feet	0.9143 m	
1 mile (mi)	1.760 yards	1609 m	
1 nautical mile (nmi)	1852 m		
1 meter (m)	39.37 inches	3.28084 feet	1.09361 yard

mm	Inches
6.35	1/4
9.52	3/8
12.70	1/2
15.88	5/8
19.05	3/4
22.22	7/8
25.40	1
28.58	1”1/8
31.75	1”1/4
38.10	1”1/2

Volume	
1 cubic inch (cu in)	16.387064 cm^3
1 cubic foot (cu ft)	0.028317 m^3/28.31685 dm^3
1 cubic yard (cu yd)	0.76455 m^3
1 pint	0.568 l
1 gallon-imp	4.546 l
1 gallon (US gal)	3.78541 l or dm^3
1 cubic meter (m^3)	35.31467 cu ft
1 cubic decimeter (dm^3)	0.26428 gal
1 liter (l)	1 dm^3

HP (horse power) *	Btu	kW
1	9000	2.637
1.5	12000	3.516
2	18000	5.274
2.5	24000	7.032
3	30000	8.79
5	45000	13.185

Mass volume	
1 cu.ft/lb	62.43 dm^3/kg
1 US gallon/pound	8.3 dm^3/kg

Density	
1 pound/cu.ft	0.016 kg/dm^3

Mass		
1 ounce (oz)	28.349 g	
1 pound (lb)	16 oz	0.4536 kg
1 quintal U.S	100 lbs	
1 centweight	112 lbs	
1 short ton (US)	2000 lbs	907.18 kg
1 long ton (GB)	2240 lbs	1016.04 kg
1 quintal (q)	100 kg	
1 tonne (t)	1000 kg	

Area		
1 square inch (in^2)	6.4516 cm^2	
1 square foot (ft^2)	0.0929 m^2	
1 square yard (yd^2)	0.8361 m^2	
1 square meter (m^2)	1550 in^2	10.76391 ft^2

Energy - Heat quantity		
1 cal	4.18 joules	
1 Btu	0.252 kcal	1055 joules
1 Btu/lb.°F	1 kcal/kg°C	
1 kcal	1 millithermie	
1 fg/h	-1 kcal/h	
1 kcal/h	1.163 W	
1 Btu/h	0.293 W	
1 ton (US)	3024 kcal/h	3512 W
1 ton (GB)	3340 kcal/h	3878 W
1 watt (thermic)	0.86 kcal/h	

° Fahrenheit =°C x 9/5 + 32
° Celsius = (°F-32) x 5/9
° Celsius = T (Kelvin) - 273.15
* Indicative values

Rated power of our products are given for air conditions as following:
Cooling mode: 35°C out/27°C in (Dry bulb)
Heating mode: +7°C out/20°C in (Dry bulb)

CLASSIFICATION OF PRODUCTS

Discover below some tips to decrypt our references and product codes faster.

1. UNDERSTANDING PRODUCT REFERENCE

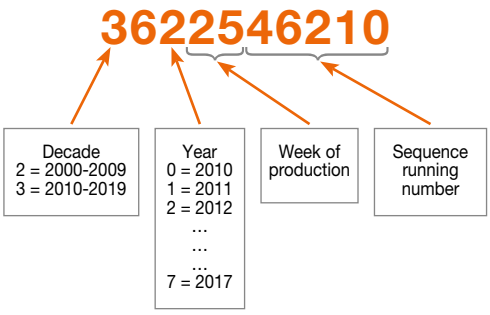
Brand		Type		Type		Technology		Capacity			Mode		Refrigerant fluid		Power supply	
									BTU	kW						
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50
		None	Indoor unit	F	Floor-ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C	2	208/230-1-60
				D	Ducted	V	VRF	012	12000	3,5	N	None	3	R134A	3	400-3-50
				C	Cassette	DF	Monosplit Flexy-match	015	15000	4			4	R290	4	460-3-60
				X	Console	DZ	Multisplit	018	18000	5			9	R32	5	230-1-50/60
				XA	Vertical air cabinet			021	21000	6					6	400-3-50/60
				XO	Vertical water cabinet			024	24000	7,2					7	380-3-60
				M	Portable unit			030	30000	8,2					8	575-3-60
				W	Window			036	36000	10					9	230-3-50
				S	Floor standing			043	43000	11						
				G	Water source			045	45000	12,5						
								047	47000	13,5						
								050	50000	15						
								055	55000	16						
								060	60000	17,5						

2. UNDERSTANDING PRODUCT PART NUMBER

DIGIT N°1		DIGIT N°2 & 3		DIGIT N° 4 & 5	
7	AIRWELL product	SP	Split (2 units minimum)	01	Floor-ceiling / Colonne / Window (indoor unit)
		XU	Industrial	02	High wall / Portable (indoor unit)
		CW	Water console	03	Ducted (indoor unit)
		MB	Portable unit	04	Cassette (indoor unit)
		HP	Heat pump	05	Industrial ducted (indoor unit)
		WT	Window	06	Monosplit condensing source (outdoor unit)
		OG	Chiller unit	07	Dual flow console (indoor unit)
				09	Multisplit condensing source (outdoor unit)
				10	Water source (outdoor unit)
				11	Industrial ducted (outdoor unit)
				12	Vertical cabinet (indoor unit)
				13	Vertical cabinet (outdoor unit)
				14	VRF (outdoor unit)

3. UNDERSTANDING SERIAL NUMBER

Each unit (IDU or ODU) is also identify with a unique serial number which can assist tracing the unit.



STANDARD OPTION

TECHNOLOGY

FLEXY MATCH
Indoor units are compatible with monosplit or multisplit installation.

DC INVERTER
Compressor with high efficiency DC engine.

R410A FLUID
Refrigerant fluid R410A.

R32 FLUID
Refrigerant fluid R32.

R407C FLUID
Refrigerant fluid R407C.

R290 FLUID
Refrigerant fluid R290.

ELECTRONIC EXPANSION VALVE
Precise control of refrigerant flow, optimization of performance and compressor protection.

4D AIRFLOW
Heating and cooling operations are optimized with an automatic horizontal and vertical oscillation.

MULTIFLOW 360°
Air distribution system with great comfort on 360° and 4 directions with motorized opening control.

TWIN APPLICATION
An outdoor unit is connected to two similar indoor units.

GOLDEN FIN CONDENSER
Improve heat transfer efficiency and corrosion resistance.

AIR QUALITY/CLEAN

NANO PHOTOCATALYTIC FILTER
Oxidizes and degrades organic contaminants. It can eliminate up to 99.9 % of bacteria and can efficiently block dusts.

AIR FILTER
Eliminates fine particles and purifies the air.

AUTO CLEAN/DRY
Prevents development of bacteria and moistures keeping the heat exchanger dry after a cooling operation.

FRESH AIR
Cools the room bringing fresh air from outside.

USER FUNCTIONS

I FEEL

Precise control of temperature all around the chosen zone *via* a remote temperature sensor.

NIGHT MODE

Temperature in the room adjustment based on sleeping habits.

QUIET MODE

Top design for the lowest sound level.

REFRIGERANT LEAKAGE DETECT

Indicates a refrigerant leakage on indoor unit and stops the system for compressor protection.

PROGRAMMABLE TIMER

Adjustable timer for power on and power off.

AUTO RESTART (MEMORY)

Restarts automatically the unit in the last used mode when power is back.

REMOTE CONTROL LOCK

Locks the remote functions to avoid unexpected actions.

WIFI

Air conditioner controlled *via* mobile phone, tablet or computer through a wireless router and internet, thanks to AirNet application.

REDUNDANCY FUNCTION

Product compatible with Airwell redondancy solution.

INSTALLER FUNCTIONS

ERROR CODE VIA INDOOR UNIT

Digital display of error codes or temperature settings on the indoor unit.

SELF DIAGNOSTIC

Unit failure indication through a blinking led on the unit display.

INTEGRATED WATER PUMP

Eliminates condensates for a simple and smooth use.

LEFT/RIGHT DRAIN CONNECTION

Easy installation connecting condensates tubing either on left or right side.

ALARM OUTPUT

Remote transmission of dysfunction errors.

DRY CONTACT ON/OFF

Connection to an external presence detection with adjusted control of the unit and power saving when the room is empty.

BMS COMPATIBLE

Connection to the BMS system *via* PCB adapter.

SERVICE MONITOR TOOL

PC interface for monitoring and adjusting the settings of the unit.

POWER CONSUMPTION CONTROL

Energy consumption control reducing the maximum power on the unit.

OUTDOOR UNIT NIGHT MODE DRY CONTACT

Engine speed limitation and noise level reduction of the outdoor unit.

OUTDOOR UNIT STAND-BY

Power on or power off of the outdoor unit from the remote.

OUTDOOR UNIT ALARM OUTPUT

Transmission of an air output default alarm to a remote system.

TECHNICIAN TEST MODE

Special mode optimizing the duration of intervention of the technician.

HEATING ONLY MODE

The unit can be configured in heating only mode.

AIR CONDITIONING & HEATING

Our after-sales & quality service

tel ■ +33 (0)1 76 21 82 95

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TECHNICAL SUPPORT:
e-mail ■ sav@airwell-res.com

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